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<130> 210121.491C7

<141> 2001-11-30

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<211> 298

<212> DNA

<213> Homo sapiens

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gctcgagtga	tgacagcctt	gaacctgttc	cttcctgttc	tcagagggga	aaaaggaatt	180
ggatttcttc	agggtctggg	gcctgggctg	tggcttgagg	ttccgagact	gatgaatcca	240
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 $\langle 210 \rangle$ 2

<211> 276

<212> DNA

<213> Homo sapiens

 $\langle 400 \rangle$ 2

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ttttctcacc	taaattacgt	ttccacgaga	ttattttatat	atagttggtc	tatctctgca	180
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276 ·

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<211> 405
<212> DNA
<213> Homo sapiens
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<223> n = A,T,C or G
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cactctgcc	aagactacta	naaaaatttg	atcattatta	aattcaatgt	tatttgacag	180
tgtgaactct	atgtaacagc	acaaattctg	gactttgaat	ctggctgctg	tcctcacctg	240
aaccattaaa	atgaccttgt	taacaaggaa	ggaatcaatg	gggaaatc	acaaccagag	300
attggctgtg	tgtccaagg	tgctttgtct	tgttgccagg	atcagactgt	gaaatcacag	360
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<212> DNA
<213> Homo sapiens
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ctccggggaa	gagctggatc	agaggtattc	caaggccaag	ccaatgtgta	acacatgtgg		180
gaaagtgttt	tcagaagcca	gcagtttgag	aaggcacatg	agaatacata	aaggagtcaa		240
accttacgtc	tgccacttat	gtggaaaggc	atttacccaa	tgtaacagc	tgaaaacgca		300
tgtaaagaact	catacagggtg	agaagccata	caaatgtgaa	ttgtgtgata	aaggatttgc		360
tcagaaatgt	cagctagtct	tccatagtcg	catgcatcat	ggtgaagaaa	aaccctataa		420
atgtgatgta	tgcaacttac	agtttgcaac	ttctagcaat	ctcaagattc	atgcaaggaa		480
gcatagtgga	gagaagccat	atgtctgtga	taggtgtgga	cagagatttg	ctcaagccag		540
cacactgacc	tatcatgtcc	ctaggcatac	tggagaaaag	ccttatgtat	gtgatacctg		600
tgggaaggca	tttgctgtct	ctagttctct	tatcactcat	tctcgaaaac	atacaggtaa		660
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<211> 580
<212> DNA
<213> Homo sapiens
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<222> 332
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ttttcaagat atgaagtcag aacctgaatg tagacatcgg acagagaagt cctcaaccac 180
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aaacctgtcc tccagctcta gagagagtaa ggctgtatTTT ccaaccttga gatttttcat 240
tacattttcc cctttttggg tgttaaattc tttccaagaa tgctgtactt gtaaaaatga 300
ttttattcta gctacaaaac atttcattta anaaaaccgc attttatatc cttgtgtgaa 360
atgctcccaa aagccatcaa gatatggaga caacagattt taaaaacata aatctaataca 420
tatgggcttg aaacagtatg aacattttaac agagtgcacac gatatcatta ttatatTTTgt 480
ttgtcatgag atgaaaggcc tggaggcaga tgggtgattaa tcataattcc tgagcttcta 540
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<212> DNA
<213> Homo sapiens

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gtaaaagtat tttgtttgct tctacataaa tttctattca tgagagaata acaaataatta 180
aaatacagtg atagtTTTgca tttcttctat agaatgaaca tagacataac cctgaagctt 240
ttagtttaca gggagtttcc atgaagccac aaactaaact aattatcaaa cacattagtt 300
atttccagac tcaaatagat acacattcaa ccaataaact gagaaaagaag catttcatgt 360
tctctttcat tttgctataa agcatttttt cttttgacta aatgcaaagt gagaaattgt 420
attttttctc cttttaattg acctcagaag atgcactatc taattcatga gaaatacgaa 480
atttcaggtg tttatcttct tcttactttt tggggtctac aaccagcata tcttcatggc 540
tgtgaaattc atggctg 557

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<212> DNA
<213> Homo sapiens

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taagttaggg agtgacgggt tatgtccagg gcaataatgt ttctgacaga ggggagagtc 180
atttcagaag cctagaggca tgtgtaaagc tgttagaatg ccagacagtc accaggccaa 240
gatgtgcaga tatccataag tgaaggggaa agaaatacaa aatgaaggca gagaaatcac 300
aaaattggat aagtgggtgcc ttgtaggcca tgatgatttt agttcatact aaaattgagt 360
taggctgcc a ttgtagggtt tgtgagctca gggataacat ggtctgaatt ttatttctaa 420
aaggatcact ccaagtgtta cattgcaaag aataacgtaa ggtggctggg gtagtagact 480
aaagtggaat atagtaacag tgaaatacat tttgtggtaa agcttggtag atttgaccac 540
acaaaattgt gaaattacct gtggcacaaa aaatatcaaa ggtacatata gacagaagaa 600
ccttgcgatt gtttattaat gtccttaatt tataatgtta ataccagtag aag 653

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<210> 8
<211> 456
<212> DNA
<213> Homo sapiens

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<400> 8
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caacatgcct ccgcgcggag ctgccgaaaa tgcgtgaagg gtttgccaaa gccgccattc 180
gggcgcgacc gcaggacctc atccagtggg gggcgagta ttttgaggcc ctgtcccgtg 240
gagagacgcc tccggtgaga gagcggctct agcgagtcgc tttgtgtaac tgggcagagc 300

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taacacctga gctgttaaag atcctgcatt ctcaggttgc tggcagactg atcatccgtg 360
 cagaggagct ggcccagatg tggaaagtgg tgaatctccc aacagatctg tttaatagtg 420
 tgatgaatgt gggctcgcttc acggaggaga tcgagt 456

<210> 9
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 9
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 attgtttttc caatatcaaa caagtcaaat ttggaaaagg cataaatctg tatgaacatc 180
 ctgtatccat ggagatgtca tgactaaatt cagaaatagc ctcatctctc tttgtttttg 240
 ctttcttatg tctgagttct gcatccaatt ctgtttatta catagttttc tataagattg 300
 taccctttt aaacagtgtc tattgatata tattctaggt gtctggaagt ctttttctat 360
 agtcggctct tggttgtctc tgggaatatg aatggaagga gcagagtga aataaatctg 420
 agggcaatat tcataaataa tccaagagct acactgtagt caactctccc cagagcctga 480
 ccacagtgtt tccctctctc ctctctccaa cc 512

<210> 10
 <211> 308
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> 214, 276
 <223> n = A,T,C or G

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 atccattaaa aataaaagga aaggaaaacg gcagggaataa gtgcagtaat aacaaatggt 120
 gacatgcttg gtcttaagca tcatagcaaa ctcatattt ccaatgaaac aaggattttt 180
 agacccatct ttggaaatga ttcccaaatt aganaacct caggtctcaa aaaaggaagg 240
 gtcacaaag tccatccagc ccagccaccc tgaggngcct gtatctctc aacaagccca 300
 acacaatg 308

<210> 11
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 98, 327
 <223> n = A,T,C or G

<400> 11
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 attaaaattc catttaacta aagatgggta accccaanaa attgtacagt agttgatttc 120
 tgctatataa tgccagtcct atgccatata ataagaactg caacattagc tgtcacttcc 180
 tccattgctc ttctggaccc taagggatga gggaggggac tcagacacaa aacacaaccc 240
 aaataaactg tgcagtgatt cctaatagtt ataaacccaa tctaagttgt ccaaacagct 300

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gaagaataac tgcaggtatt gttccanagc tgatacgagg ttttgctttt acagcctggt 360
aaaagttctg cactaggtga gaagtcacag ttttaaggatg catgttctgt aaatagttac 420
tacatatata catttactgt ctgtaaacac tagaaatata cattagacag agtaccctca 480
caagttgggt acagttttaa aaagaagatg                               510

```

```

<210> 12
<211> 611
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 196
<223> n = A,T,C or G

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<400> 12
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acacataaac tacatttata gttgttaagt caccttgtag tataaatatg ttttcatctt 180
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tgggtctcaac tctctctttc attagtctca agtggttcta ttatgcactg agttttcaga 540
ccttcccaac tggcatgtgt ttttaagtgtg agtttctttc tttggcttca agtggagttt 600
cacaacattt a                               611

```

```

<210> 13
<211> 394
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 62, 91, 105, 195, 294
<223> n = A,T,C or G

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<400> 13
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ttaacacagg atttctaaaa ccattatatt ttcattactt ttcccaaagc taatgtccca 180
tgttttatatt tatanacttt gtttatcaag atttatatgc atttggcacc tttttgggct 240
gaaaatagtt gatgtactct gtacagtaat gttacagttt tatacaaaat tcanaaatat 300
tgcatattgga atagtcttta tggctcctct ccaagtattc agtttcacac aacagcaaac 360
actctgaatg cctttcctcc tgcccaacac aatg                               394

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```

<210> 14
<211> 361
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature

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<400> 17
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aagacacttt tagccaatga agttttcaaa agaagaaagc ctctgttggt cgcttttttg 180
atatgcactg aacttctgaa atatcttttc ccaaagtc cc aaattcct tttccaaatc 240
ttttaaagac tgtgaatctt tttcaaaatt ctccagctcc tctatgataa tgaattggaa 300
tttatcaagt tttttaatcc tagagtcttg actttggatg at 342
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tgttcttggc ttggaagatt ctattttaatt gaaactctct gttcagaaag caataacttt 120
gtctcgttcc tgttgggctg aaccctaagg tgagtgtgca gtacagtgtg tgtgggtgaa 180
atggagattt ggaattgaac tctctgcctg taaatgttcc ccaaataatt gttgtgtgta 240
tgatacgtgt ataataaaaag tattcttggt agaactctga 279
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<400> 19
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cctaactgcc caggcaggcg agagctactt ccagagcctt ccagtgcatt ggagggcagg 120
gctagggtga gcggtgtctc ctctttgaaa ttaagaacta tctttcttgt agcaaagctg 180
cacctgatga tgctgcctct cctctctgtg ttgtctgggc cttgttttac aagcacgcg 239
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<400> 20						
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caatgcagga	ctactggcta	catgttcact	tgcttgggaag	agcagaggtc	tgaatgatct	300
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ctccatctgt	gcaaaatcag	cagcaagtgc	cattttccca	ccttcaccaa	gaggtcttat	420
gagactggca	tggcggataa	aaagtccaac	agctctttgg	gcaataacct	cagtgttgtc	480
aaagacaaaa	tccaagcatt	caaagtgttt	aaaatagtca	ctcataa		527

$\langle 210 \rangle$ 21

Table 1

Chemical composition of the studied polymers

Polymer	C, %	H, %	N, %	O, %	S, %	F, %
PMMA	60.9	8.7	—	10.4	—	—
PEBA-100	68.2	10.2	—	11.6	—	—
PEBA-200	68.2	10.2	—	11.6	—	—
PEBA-300	68.2	10.2	—	11.6	—	—
PEBA-400	68.2	10.2	—	11.6	—	—
PEBA-500	68.2	10.2	—	11.6	—	—
PEBA-600	68.2	10.2	—	11.6	—	—
PEBA-700	68.2	10.2	—	11.6	—	—
PEBA-800	68.2	10.2	—	11.6	—	—
PEBA-900	68.2	10.2	—	11.6	—	—
PEBA-1000	68.2	10.2	—	11.6	—	—
PEBA-1100	68.2	10.2	—	11.6	—	—
PEBA-1200	68.2	10.2	—	11.6	—	—
PEBA-1300	68.2	10.2	—	11.6	—	—
PEBA-1400	68.2	10.2	—	11.6	—	—
PEBA-1500	68.2	10.2	—	11.6	—	—
PEBA-1600	68.2	10.2	—	11.6	—	—
PEBA-1700	68.2	10.2	—	11.6	—	—
PEBA-1800	68.2	10.2	—	11.6	—	—
PEBA-1900	68.2	10.2	—	11.6	—	—
PEBA-2000	68.2	10.2	—	11.6	—	—
PEBA-2100	68.2	10.2	—	11.6	—	—
PEBA-2200	68.2	10.2	—	11.6	—	—
PEBA-2300	68.2	10.2	—	11.6	—	—
PEBA-2400	68.2	10.2	—	11.6	—	—
PEBA-2500	68.2	10.2	—	11.6	—	—
PEBA-2600	68.2	10.2	—	11.6	—	—
PEBA-2700	68.2	10.2	—	11.6	—	—
PEBA-2800	68.2	10.2	—	11.6	—	—
PEBA-2900	68.2	10.2	—	11.6	—	—
PEBA-3000	68.2	10.2	—	11.6	—	—
PEBA-3100	68.2	10.2	—	11.6	—	—
PEBA-3200	68.2	10.2	—	11.6	—	—
PEBA-3300	68.2	10.2	—	11.6	—	—
PEBA-3400	68.2	10.2	—	11.6	—	—
PEBA-3500	68.2	10.2	—	11.6	—	—
PEBA-3600	68.2	10.2	—	11.6	—	—
PEBA-3700	68.2	10.2	—	11.6	—	—
PEBA-3800	68.2	10.2	—	11.6	—	—
PEBA-3900	68.2	10.2	—	11.6	—	—
PEBA-4000	68.2	10.2	—	11.6	—	—
PEBA-4100	68.2	10.2	—	11.6	—	—
PEBA-4200	68.2	10.2	—	11.6	—	—
PEBA-4300	68.2	10.2	—	11.6	—	—
PEBA-4400	68.2	10.2	—	11.6	—	—
PEBA-4500	68.2	10.2	—	11.6	—	—
PEBA-4600	68.2	10.2	—	11.6	—	—
PEBA-4700	68.2	10.2	—	11.6	—	—
PEBA-4800	68.2	10.2	—	11.6	—	—
PEBA-4900	68.2	10.2	—	11.6	—	—
PEBA-5000	68.2	10.2	—	11.6	—	—
PEBA-5100	68.2	10.2	—	11.6	—	—
PEBA-5200	68.2	10.2	—	11.6	—	—
PEBA-5300	68.2	10.2	—	11.6	—	—
PEBA-5400	68.2	10.2	—	11.6	—	—
PEBA-5500	68.2	10.2	—	11.6	—	—
PEBA-5600	68.2	10.2	—	11.6	—	—
PEBA-5700	68.2	10.2	—	11.6	—	—
PEBA-5800	68.2	10.2	—	11.6	—	—
PEBA-5900	68.2	10.2	—	11.6	—	—
PEBA-6000	68.2	10.2	—	11.6	—	—
PEBA-6100	68.2	10.2	—	11.6	—	—
PEBA-6200	68.2	10.2	—	11.6	—	—
PEBA-6300	68.2	10.2	—	11.6	—	—
PEBA-6400	68.2	10.2	—	11.6	—	—
PEBA-6500	68.2	10.2	—	11.6	—	

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<210> 22
<211> 532
<212> DNA
<213> Homo sapiens
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<210> 23
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<212> DNA
<213> Homo sapiens
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<210> 24
<211> 215
<212> DNA
<213> Homo sapiens
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<210>	25
<211>	530
<212>	DNA


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tgtcaggagt tcagaaggtc cctgcactcc tagaaaatca agtggaggaa aggacttggt 120
ctgattcaga agatattgga agctctgagt gctctgacac agattctgaa gagcagggag 180
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agaacattaa	gtctttaaaa	aggcttagga	agacataaac	agtaaattctt	tgtttttcta	180
ccttcctttg	gacagtgtta	tatttcactt	tcttcctttgc	aaaatgtttc	caaattcatt	240
tgctcaggat	ttatttaaga	taataactta	aaacaactaa	cagttgttta	tgctatatgc	300
atatcatgca	tgttctactg	gttcaaggac	aaaattaaaa	caagatcttc	tctgtaaagc	360
aaataatatt	attatgcact	ttcatatata	cagggattttt	ttgagtacca	angggataaa	420
ataaaaacttt	tacaatgtga	aattcaatgt	acattttttgg	ctattttacat	acctcaaacc	480
aagggaaaaa	taaaaagaaa	gcatttgttt	gcaactacat	ttgctgagaa	gtgtaaattgg	540
aggacattaa	gcaaaaacaaa	tatttgcata	g			571

<400> 30							
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ctgccactgt	aacatctagt	tggacaaaac	cacaaggagg	gggaggagaa	aatgccatca	180	
ctattatggt	aacaaacatt	taattttaaat	ggttgctgca	ctagtaaatt	tctgcagaaa	240	
acagttttac	ccgccccctt	tcacagttcc	aaattaatca	aggatgcttt	tctataatct	300	
gatgcttagc	aaattagctc	atgattcaaa	ttttgccctc	ttgaagcaca	tatacctttt	360	
atttttaaag	tccattatag	agaatttgga	atatataagg	tatttgaatt	gcagaacacc	420	
cctctaattc	tgtaaataata	gcaaagacaa	aacagtatca	tatacatcaa	gatcatactt	480	
ttaaagtaag	tttaaagggtc	tcaattgccc	agatattaaa	tttatatttt	ccttctatta	540	
aaaaatatta	cattttcaatt	ttgtaatat	gtaacatatt	ttaagatgac	cagcaagacc	600	
tagtcaattt	gaaaataccc	ttgcattcca	tacacaagct	ataccataag	taataaccca	660	
agtatatgat	gtgtaaaaagt	tggtgaaggt	cataatactg	aatttttttg	caaatgtaaa	720	
ctgctttcca	agtaactcagc	accatttttt	actagactac	attttaatca	cttccttagc	780	
tgcttacaac	ctctacttag	gcataaataa	aagaatctga	aattgggtata	tttccccctc	840	
ctgctgtggt	aacaaaaaat	actatttgac	ttaaagatca	aagagtcttt	ttcctgaagg	900	
ttttttgttt	taaatgt					917	

$$\begin{aligned} \langle 210 \rangle & 31 \\ \langle 211 \rangle & 367 \end{aligned}$$

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 124
<223> n = A,T,C or G

<400> 31
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cactgcaaaa gattcacaag gttagttgaa agtcattttt gccctggtga ttcaaagctc 120
aaanaatttt ctagcataaa gtcttattaa aaattttaat caaaatatta tttagagttta 180
agttaataaa aacaatacca ctatatatac tctcaacaac ttcattatat aatcagtcct 240
atgaggttgt acttgctttt catatcacac tgattaagga caaaaataat tttagatgtac 300
atgtaccata cactgatatg caatctacac actgatgcat ttacatacat acaaccccaa 360
cacaatg 367

<210> 32
<211> 847
<212> DNA
<213> Homo sapiens

<400> 32
cattgtgttg ggctggcagg atagaagcag cggctcactt ggactttttc accagggaaa 60
tcagagacaa tgatggggct cttccccaga actacagggg ctctggccat ctctgtggta 120
agtcctggat tttcctaata atcacaaact tccctgcttc ctcccttggt aaagaatatt 180
atatttgatt gcacaatctt tattataaat tctaaaagga gtgcagtgga aatcaacact 240
ttgaaatgaa atcgtgaaga ttaccaattt ccttcttttg ttgtttttta tgttgtattt 300
tacatagaaa aataaaccag aaagaaatga gttttaaaaa ccatttagaa ttttttttag 360
ttaatgaatt aagtaatctt aatcacaggt tatattttcc acaacatttt cactttcttt 420
aaagttatgc ttttactagt ttttctaacc cacaacaag aacacaggag ccacttctat 480
tttccaagat tacatgtctc ttagcatata gctaagaact ctacacgcct gggcttgata 540
cctgacacgc ttttaaaagt aaaaaatcgc agaattaaaa tcaaagcagt gtttgactct 600
agagaagtgg ggaggattat taagtaagta tttatgttta gctattatgt gccaaaagaa 660
aatgtcagcc tttggggatg gggggaaaga catacaacat tttaaagcca tttttttcag 720
aaaagtaata cttctgttga ttgagaaagt cgtacatagt attatctaaa agagaaacgg 780
aatgttacag actgttttaa acctggatgt tacagactaa cttactcctt aactgtgttc 840
ttatagc 847

<210> 33
<211> 863
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 321, 563, 601, 858
<223> n = A,T,C or G

<400> 33
cattgtgttg ggcttttatt tgagtttatg aacagaaata gaaagtatgg tgcttggggt 60
ttgcccttct ttactcctga aagttaaatc agaagacact gatttcattt tgtgaaattt 120
agctcagaga ctattgatct tttgtttcat taatatgaac aactattagt aaaaaatagc 180
tttaacagca tttctgctga tatctagtaa tctattcttt taatgtgaaa ataagataaa 240

atgtcctgga gctaattcta gcttaaatttt gccagtattt ctgtatgtca ttaagttttt 300
 ttctcttaag gttggtaata naattttgtt aatctttgca tacctgatgg catctatgtc 360
 aatgctgatt gggtaattat aaattctgtg ctaattttaa acttaatttg cctcttaagg 420
 tgattgtcct ctgagtaatg attgtagtta aatgaagtat agcttgcaac tatactatca 480
 catgggtcgt taagtaaaaa taaataaacc aaatttgtct gagacaggct aagatcaatc 540
 ttctcatcaa accaattttt ctntaagagc aatttcactt tcagtttttag ggtggacatt 600
 nttgaatgcc tcaaattaaa cgttatctat ttaatcttcc tggaatagtc tgtgaccaa 660
 aaggagggtg tgatatattt aggtgtaaat atatcacata tatggtgtga tatatttggg 720
 atttatatat tcagctcatt ctctgtgaag aagtcttccg gactaaaatt ggtttcaaga 780
 taaactaatt tctgtagta tttctactct gcctaccatg tatgcctttt tgtagaaac 840
 taataaatgt atcagtcnct agc 863

<210> 34
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 34
 agtgcatttc ctcttgattt gtctgggtta aaaccattcc ttttgtatga aatgttttga 60
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 tcatccaaat caagctaaaa tgtattttaag ttgattctga gagtacaggc cagtaagcct 180
 cattatttgg aatttgagag aaggtatagg tgatcggatc tgtttcattt ataaaaggct 240
 cagtttttag gactagtaca ttctgtttat tttctgggtt ttatcatttt gcctaaaata 300
 ggatataaaa gggacaaaaa ataagtagac tgtttttatg tgtgaattat atttctacta 360
 aatgtttttg tatgactgtg ttatacttga taatatatat atatatatat atatatatca 420
 acttggttaa tt 432

<210> 35
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 35
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 gctgatgttt tggggctgga tttaggcagt ttttaataa aagagaactt aaaatggtgg 120
 tgtttgtcca agatggtgat gttcctgctg tcaattagca taaacaaaag agaattctga 180
 taccctgttg gaatgtcctc attcctctga gcttctccac tcacaggata aatgcaggag 240
 tggcttcccc tcatggacac ctgcaaagtc agagtgtggg ggctctcctg gccctgcac 300
 actagcaaga gcaaaagctg ctccgagctt tgtttttaga acctggtcga 350

<210> 36
 <211> 1082
 <212> DNA
 <213> Homo sapiens

<400> 36
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 atccagggga gtcagttcaa cgctcgaggtc ggcagaagtg acaagcttcc cctgcctggc 120
 tttgagaacc tcacagcagg atataacaaa tttctcaggc ccaatttttg tggagaaccc 180
 gtacagatag cgctgactct ggacattgca agtatctcta gcatttcaga gagtaacatg 240
 gactacacag ccaccatata cctccgacag cgctggatgg accagcggct ggtgtttgaa 300
 ggcaacaaga gcttcaactc ggatgccgcg cctggtgagt tccctgggt gccagatact 360
 tacattgtgg agtccaagaa gtccttctc catgaagtca ctgtgggaaa caggctcatc 420
 cgccctcttct ccaatggcac ggtcctgtat gccctcagaa tcacgacaac tgttgcattg 480

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aacatggatc tgtctaaata ccccatggac acacagacat gcaagttgca gctggaaagc 540
tggggctatg atggaaatga tgtggagttc acctggctga gagggaaacga ctctgtgcgt 600
ggactggaac acctgcggtc tgcctcagta accatagagc ggtatttcac cttagtcacc 660
agatcgagc aggagacagg aaattacact agattggtct tacagtttga gcttcggagg 720
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ggacaacaaa ggaagtagaa gaagtcagta ttactaatat catcaacagc tccatctcca 840
gctttaaacg gaagatcagc tttgccagca ttgaaatttc cagcgacaac gttgactaca 900
gtgacttgac aatgaaaacc agcgacaagt taaagtttgt cttccgagaa aagatgggca 960
ggattgttga ttatttcaca attcaaaacc ccagtaatgt tgatcactat tccaaactac 1020
tgtttccttt gatttttatg ctagccaatg tattttactg ggcatactac atgtattttt 1080
ga 1082

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<210> 37
<211> 1135
<212> DNA
<213> Homo sapiens

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<400> 37
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atccagggga gtcagttcaa cgctcaggtc ggcagaagtg acaagctttc cctgcctggc 120
tttgagaacc tcacagcagg atataacaaa tttctcaggc ccaatttttg tggagaaccc 180
gtacagatag cgctgactct ggacattgca agtatctcta gcatttcaga gagtaacatg 240
gactacacag ccaccatata cctccgacag cgctggatgg accagcggct ggtgtttgaa 300
ggcaacaaga gcttcaactc ggatgcccgc ctctgaggag tctctgggt gccagatact 360
tacattgttg agtccaagaa gtccttcctc catgaagtca ctgtgggaaa cagggtcatc 420
cgctcttct ccaatggcac ggtcctgtat gccctcagaa tcacgacaac tgttgcatgt 480
aacatggatc tgtctaaata ccccatggac acacagacat gcaagttgca gctggaaagc 540
tggggctatg atggaaatga tgtggagttc acctggctga gagggaaacga ctctgtgcgt 600
ggactggaac acctgcggtc tgcctcagta accatagagc ggtatttcac cttagtcacc 660
agatcgagc aggagacagg aaattacact agattggtct tacagtttga gcttcggagg 720
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tgggtttcat tttggtatct tctcgattca gtccctgcaa gaaccgcat tggggacaac 840
aaaggaagta gaagaagta gtattactaa tatcatcaac agctccatct ccagctttaa 900
acggaagatc agctttgcca gcattgaaat ttccagcgac aacgttgact acagtgaatt 960
gacaatgaaa accagcgaca agtttaaagt tgtcttccga gaaaagatgg gcaggattgt 1020
tgattatttc acaattcaaa accccagtaa tgttgatcac tattccaaac tactgtttcc 1080
tttgattttt atgctagcca atgtatttta ctgggcatcc tacatgtatt tttga 1135

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<210> 38
<211> 1323
<212> DNA
<213> Homo sapiens

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<400> 38
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tttgagaacc tcacagcagg atataacaaa tttctcaggc ccaatttttg tggagaaccc 180
gtacagatag cgctgactct ggacattgca agtatctcta gcatttcaga gagtaacatg 240
gactacacag ccaccatata cctccgacag cgctggatgg accagcggct ggtgtttgaa 300
ggcaacaaga gcttcaactc ggatgcccgc ctctgaggag tctctgggt gccagatact 360
tacattgttg agtccaagaa gtccttcctc catgaagtca ctgtgggaaa cagggtcatc 420
cgctcttct ccaatggcac ggtcctgtat gccctcagaa tcacgacaac tgttgcatgt 480
aacatggatc tgtctaaata ccccatggac acacagacat gcaagttgca gctggaaagc 540
tggggctatg atggaaatga tgtggagttc acctggctga gagggaaacga ctctgtgcgt 600

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ggactggaac acctgcggtc tgctcagtag accatagagc ggtatttcac cttagtcacc 660
agatcgagcagg aggagacagg aaattacact agattgggtc tacagtttga gcttcggagg 720
aatgttctgt atttcatttt ggaaacctac gttccttcca ctttcctggg ggtgttgtcc 780
tgggtttcat tttggatctc tctcgattca gtccctgcaa gaacctgcat tggagtgcag 840
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tgcttcatca aggccatcga tgtgtacctg gggatctgct ttagctttgt gtttggggcc 960
ttgctagaat atgcagttgc tcaactacagt tccttacagc agatggcagc caaagatagg 1020
gggacaacaa aggaagtaga agaagtcagt attactaata tcatcaacag ctccatctcc 1080
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aggattgttg attatttcac aattcaaaac cccagtaatg ttgatcacta ttccaaacta 1260
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tga
1323

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<210> 39
<211> 440
<212> PRT
<213> Homo sapiens

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<400> 39
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1 5 10 15
Glu Arg Met Cys Ile Gln Gly Ser Gln Phe Asn Val Glu Val Gly Arg
20 25 30
Ser Asp Lys Leu Ser Leu Pro Gly Phe Glu Asn Leu Thr Ala Gly Tyr
35 40 45
Asn Lys Phe Leu Arg Pro Asn Phe Gly Gly Glu Pro Val Gln Ile Ala
50 55 60
Leu Thr Leu Asp Ile Ala Ser Ile Ser Ser Ile Ser Glu Ser Asn Met
65 70 75 80
Asp Tyr Thr Ala Thr Ile Tyr Leu Arg Gln Arg Trp Met Asp Gln Arg
85 90 95
Leu Val Phe Glu Gly Asn Lys Ser Phe Thr Leu Asp Ala Arg Leu Val
100 105 110
Glu Phe Leu Trp Val Pro Asp Thr Tyr Ile Val Glu Ser Lys Lys Ser
115 120 125
Phe Leu His Glu Val Thr Val Gly Asn Arg Leu Ile Arg Leu Phe Ser
130 135 140
Asn Gly Thr Val Leu Tyr Ala Leu Arg Ile Thr Thr Thr Val Ala Cys
145 150 155 160
Asn Met Asp Leu Ser Lys Tyr Pro Met Asp Thr Gln Thr Cys Lys Leu
165 170 175
Gln Leu Glu Ser Trp Gly Tyr Asp Gly Asn Asp Val Glu Phe Thr Trp
180 185 190
Leu Arg Gly Asn Asp Ser Val Arg Gly Leu Glu His Leu Arg Leu Ala
195 200 205
Gln Tyr Thr Ile Glu Arg Tyr Phe Thr Leu Val Thr Arg Ser Gln Gln
210 215 220
Glu Thr Gly Asn Tyr Thr Arg Leu Val Leu Gln Phe Glu Leu Arg Arg
225 230 235 240
Asn Val Leu Tyr Phe Ile Leu Glu Thr Tyr Val Pro Ser Thr Phe Leu
245 250 255
Val Val Leu Ser Trp Val Ser Phe Trp Ile Ser Leu Asp Ser Val Pro
260 265 270

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Ala Arg Thr Cys Ile Gly Val Thr Thr Val Leu Ser Met Thr Thr Leu
 275 280 285
 Met Ile Gly Ser Arg Thr Ser Leu Pro Asn Thr Asn Cys Phe Ile Lys
 290 295 300
 Ala Ile Asp Val Tyr Leu Gly Ile Cys Phe Ser Phe Val Phe Gly Ala
 305 310 315 320
 Leu Leu Glu Tyr Ala Val Ala His Tyr Ser Ser Leu Gln Gln Met Ala
 325 330 335
 Ala Lys Asp Arg Gly Thr Thr Lys Glu Val Glu Glu Val Ser Ile Thr
 340 345 350
 Asn Ile Ile Asn Ser Ser Ile Ser Ser Phe Lys Arg Lys Ile Ser Phe
 355 360 365
 Ala Ser Ile Glu Ile Ser Ser Asp Asn Val Asp Tyr Ser Asp Leu Thr
 370 375 380
 Met Lys Thr Ser Asp Lys Phe Lys Phe Val Phe Arg Glu Lys Met Gly
 385 390 395 400
 Arg Ile Val Asp Tyr Phe Thr Ile Gln Asn Pro Ser Asn Val Asp His
 405 410 415
 Tyr Ser Lys Leu Leu Phe Pro Leu Ile Phe Met Leu Ala Asn Val Phe
 420 425 430
 Tyr Trp Ala Tyr Tyr Met Tyr Phe
 435 440

<210> 40
 <211> 289
 <212> PRT
 <213> Homo sapiens

<400> 40
 Met Asn Tyr Ser Leu His Leu Ala Phe Val Cys Leu Ser Leu Phe Thr
 1 5 10 15
 Glu Arg Met Cys Ile Gln Gly Ser Gln Phe Asn Val Glu Val Gly Arg
 20 25 30
 Ser Asp Lys Leu Ser Leu Pro Gly Phe Glu Asn Leu Thr Ala Gly Tyr
 35 40 45
 Asn Lys Phe Leu Arg Pro Asn Phe Gly Gly Glu Pro Val Gln Ile Ala
 50 55 60
 Leu Thr Leu Asp Ile Ala Ser Ile Ser Ser Ile Ser Glu Ser Asn Met
 65 70 75 80
 Asp Tyr Thr Ala Thr Ile Tyr Leu Arg Gln Arg Trp Met Asp Gln Arg
 85 90 95
 Leu Val Phe Glu Gly Asn Lys Ser Phe Thr Leu Asp Ala Arg Leu Val
 100 105 110
 Glu Phe Leu Trp Val Pro Asp Thr Tyr Ile Val Glu Ser Lys Lys Ser
 115 120 125
 Phe Leu His Glu Val Thr Val Gly Asn Arg Leu Ile Arg Leu Phe Ser
 130 135 140
 Asn Gly Thr Val Leu Tyr Ala Leu Arg Ile Thr Thr Thr Val Ala Cys
 145 150 155 160
 Asn Met Asp Leu Ser Lys Tyr Pro Met Asp Thr Gln Thr Cys Lys Leu
 165 170 175
 Gln Leu Glu Ser Trp Gly Tyr Asp Gly Asn Asp Val Glu Phe Thr Trp
 180 185 190

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<210> 41
<211> 265
<212> PRT
<213> Homo sapiens
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<400> 41															
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Glu	Arg	Met	Cys 20	Ile	Gln	Gly	Ser	Gln 25	Phe	Asn	Val	Glu	Val 30	Gly	Arg
Ser	Asp	Lys 35	Leu	Ser	Leu	Pro	Gly 40	Phe	Glu	Asn	Leu	Thr 45	Ala	Gly	Tyr
Asn	Lys 50	Phe	Leu	Arg	Pro	Asn 55	Phe	Gly	Gly	Glu	Pro 60	Val	Gln	Ile	Ala
Leu 65	Thr	Leu	Asp	Ile 70	Ala	Ser	Ile	Ser	Ser	Ile 75	Ser	Glu	Ser	Asn	Met 80
Asp	Tyr	Thr	Ala 85	Thr	Ile	Tyr	Leu	Arg	Gln 90	Arg	Trp	Met	Asp	Gln 95	Arg
Leu	Val	Phe	Glu 100	Gly	Asn	Lys	Ser	Phe 105	Thr	Leu	Asp	Ala	Arg	Leu	Val
Glu	Phe	Leu 115	Trp	Val	Pro	Asp	Thr 120	Tyr	Ile	Val	Glu	Ser	Lys	Lys	Ser
Phe	Leu 130	His	Glu	Val	Thr	Val 135	Gly	Asn	Arg	Leu	Ile 140	Arg	Leu	Phe	Ser
Asn 145	Gly	Thr	Val	Leu	Tyr 150	Ala	Leu	Arg	Ile	Thr	Thr 155	Thr	Val	Ala	Cys 160
Asn	Met	Asp	Leu	Ser 165	Lys	Tyr	Pro	Met	Asp 170	Thr	Gln	Thr	Cys	Lys	Leu
Gln	Leu	Glu	Ser 180	Trp	Gly	Tyr	Asp	Gly 185	Asn	Asp	Val	Glu	Phe	Thr	Trp
Leu	Arg	Gly 195	Asn	Asp	Ser	Val	Arg 200	Gly	Leu	Glu	His	Leu	Arg	Leu	Ala
Gln	Tyr 210	Thr	Ile	Glu	Arg	Tyr 215	Phe	Thr	Leu	Val	Thr 220	Arg	Ser	Gln	Gln
Glu 225	Thr	Gly	Asn	Tyr 230	Thr	Arg	Leu	Val	Leu	Gln 235	Phe	Glu	Leu	Arg	Arg
Asn	Val	Leu	Tyr 245	Phe	Ile	Leu	Asp	Leu	Ser 250	Arg	Phe	Ser	Pro	Cys	Lys

Asn Leu His Trp Gly Gln Gln Arg Lys
 260 265

<210> 42
 <211> 574
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8
 <223> n = A,T,C or G

<400> 42
 accaacanag cttagtaatt tctaaaaaga aaaaatgac tttttccgac ttctaaacaa 60
 gtgactatac tagcataaat cattcttcta gtaaaacagc taaggatatag acatttcta 120
 aatttgggaa aacctatgat tacaagtaaa aactcagaaa tgcaaagatg ttgggttttt 180
 gtttctcagt ctgcttttagc ttttaactct ggaaacgcat gcacactgaa ctctgctcag 240
 tgctaaacag tcaccagcag gttcctcagg gtttcagccc taaaatgtaa aacctggata 300
 atcagtgtat gttgcaccag aatcagcatt ttttttttaa ctgcaaaaaa tgatgggtctc 360
 atctctgaat ttatatttct cattcttttg aacatactat agctaataata ttttatgttg 420
 ctaaattgct tctatctagc atgttaaaca aagataatat actttcgatg aaagtaaatt 480
 ataggaaaaa aattaactgt tttaaaaaga acttgattat gttttatgat ttcaggcaag 540
 tattcatttt taacttgcta cctactttta aata 574

<210> 43
 <211> 467
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 242, 263
 <223> n = A,T,C or G

<400> 43
 tttttttttt ttttttattg ccatcaattt attaaaataa acatgtatatag cagggtttcaa 60
 caattgtctt gtagtttgta gtaaaaagac ataagaaaga gaagggtgtgg ttgcagcaa 120
 tccgtagctg gtttctcacc ataccctgca gttctgtgag ccaaaggctc tgcagaaagt 180
 taaaataaat cacaaagact gctgtcatat attaatgca taaacacctc aacattgctc 240
 anagtttcat ccgtttgggt aanaaaacat tccttcaatt catctatggc atttgtagt 300
 gcattgtcgt ctatgaactc ttgaagaagt tctttgtatt cagtcttaga cacttggtga 360
 ttgattgtct tggaaatcac attctccaat aaggggcagc cagagcctgc gtagcagtg 420
 tgggagaggg ccgccagcat gaggaccatc agcaacttca tgggtgag 467

<210> 44
 <211> 613
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 494, 556

TOPCAT-2420000

<211> 394
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8, 42
 <223> n = A,T,C or G

<400> 47
 acgcgaantt gtgttatgac tgatagcctt cagctacaaa angataggac tgacctgggtt 60
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 gaaatctggt attttagtga ggctccaaaa tgagcaaagc taggcctgat tagagtagag 180
 tgactattaa aaaacataac tttctaggag ctataaatca aagttttaa aagatgtttg 240
 gatataattg agtattccga tcatgaaaac agaaattgcc ctgcctacta caaggacaga 300
 ctgatgggaa attatgcacc tgggtcaact agcttttaag cagacgatgc tgtaaaaaaca 360
 aacggcttct ctgatattta ttgtaagttt tagt 394

<210> 48
 <211> 486
 <212> DNA
 <213> Homo sapiens

<400> 48
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 atattgagca tctctctcac agctgccttt cttatcccca ttcttgatgt agacctcctt 120
 ccgagtcagc ttttctctct cctcagacac aaacagagct ttgatatact gtgcaggag 180
 cagctcttcc ttttggtgct ggcaagtggg agttggagga agcctcaaag ctcgagttgt 240
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 gagcttgatc agggcaacgt catagtcata aaattcagga attcctgctt cttttttccc 360
 attaattgtt tagttggggt gaaataggac tacttctatc tccagggtccc gcttctcccc 420
 tcccttgatt gagtgttctt tgtcatccac agtgaaacaa tgtgctgctg tcagcacaaa 480
 gtacct 486

<210> 49
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 49
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 ttctttcttt cttaagccct ttgctctgga ggaagttctc cagcttcagc tcaactcaca 180
 gcttctccaa gcatcaccct gggagtttcc tgagggtttt ctcataaatg agggctgcac 240
 attgcctggt ctgcttcgaa gtattcaata ccgctcagta ttttaaata agtgattcta 300
 agatttggtt tgggatcaat aggaaagcat atgcagccaa ccaagatgca aatgttttga 360
 aatgatatga ccaaaatttt aagtaggaaa gtcacccaaa cacttctgct ttcacttaag 420
 tgtctggccc gcaatactgt aggaacaagc atgatcttgt tactgtgata ttttaaatat 480
 ccacagt 487

<210> 50
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 415, 459
 <223> n = A,T,C or G

<400> 50
 acatattttg gttgaagaca ccagactgaa gtaaacagct gtgcatccaa tttattatag 60
 ttttgtaagt aacaatatgt aatcaaactt ctaggtgact tgagagtgga acctcctata 120
 tcattattta gcaccgttta tgacagtaac catttcagtg tattgtttat tataccactt 180
 atatcaactt atttttcacc aggttaaaat ttttaatttct acaaaataac attctgaatc 240
 aagcacactg tatgttcagt aggttgaact atgaacactg tcatcaatgt tcagttcaaa 300
 agcctgaaag tttagatcta gaagctggta aaaatgacaa tatcaatcac attaggggaa 360
 ccattgttgt cttcacttaa tccatttagc actattgaaa ataagcacac caagntatat 420
 gactaatata acttgaaaat tttttatact gaggggggtn 460

<210> 51
 <211> 529
 <212> DNA
 <213> Homo sapiens

<400> 51
 acacttgaaa ccaaatttct aaaacttggt tttcttaaaa aatagttggt gtaacattaa 60
 accataacct aatcagtggt ttcactatgc ttccacacta gccagtcttc tcacacttct 120
 tctggtttca agtctcaagg cctgacagac agaagggtt ggagattttt tttctttaca 180
 attcagttct cagcaacttg agagctttct tcatgttggt aagcaacaga gctgtatctg 240
 caggttcgta agcatagaga cggtttgaat atcttccagt gatatcggt ctaactgtca 300
 gagatgggtc aacaaacata atcctgggga catactggcc atcaggagaa aggtgtttgt 360
 cagttgtttc ataaaccaga ttgaggagga caaactgtct tgccaatttc tggatttctt 420
 tattttcagc aaacactttc tttaaagctt gactgtgtgg gcactcatcc aagtgatgaa 480
 taaatcatca aggggtttgt gcttgtcttg gatttatata gagcttctt 529

<210> 52
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 52
 actttgccaa gcagtaaagg atccaggaga tagcactgga tgtggtgtca tgtcctgcaa 60
 acatgaacgt tttcacttca gcctggagat ctgcttcaga gaaatctttg gtgttttcgc 120
 ttttggcact caaaagtatg tccagaaaat cccagcgctt tttctgagta gtatcttggt 180
 ttagcttate ctttaagagac tccttcoggt cctggattac tttctctgtg aactgatgaa 240
 gttcttggtt aaatttagaa aagatttggc cttgagagct gaatttgaaa accaggtcgt 300
 tgtgatgtag aaaattgttc atgcgctggt tggagatttt gctaagggtt aacactgctt 360
 tcaggtatga gtccaggtt 379

<210> 53
 <211> 380
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 260, 284, 285, 372, 377

1004044001

<223> n = A,T,C or G

<400> 53

```
acttttatct taaaagggtg gtagttttcc ctaaaatact tattatgtaa gggtcattag 60
acaaatgtct tgaagtagac atggaattta tgaatgggtc tttatcattt ctcttccccc 120
tttttgcat cctggcttgc ctccagtttt aggtccttta gtttgcttct gtaagcaacg 180
ggaacacctg ctgagggggc tctttccctc atgtatactt caagtaagat caagaatctt 240
ttgtgaaatt atagaaattt actatgtaaa tgcttgatgg aatnntttcc tgctagtgtg 300
gcttctgaaa ggcgctttct ccatttattt aaaactaccc atgcaattaa aaggtacctt 360
gccgcgacca cnctaanggc 380
```

<210> 54

<211> 245

<212> DNA

<213> Homo sapiens

<400> 54

```
gcgcggcgct tcacttcttc aacttccggt ccggctcgcc cagcgcgctg cgagtgtctg 60
ccgaggtgca ggagggccgc gcgtggatta atccaaaaga gggatgtaaa gttcacgtgg 120
tcttcagcac agagcgctac aaccagagt ctttacttca ggaaggtgag ggacgtttgg 180
ggaaatgttc tgctcgagtg tttttcaaga atcagaaacc cagaccaacc atcaatgtaa 240
cttgt 245
```

<210> 55

<211> 556

<212> DNA

<213> Homo sapiens

<400> 55

```
acagaagatg aataataatg aaaaactgtg attttttgac tatcacatac atttgtgttaa 60
aaaacaggta aatataatga ctattactgt taagaaagac aaggaggaaa actgtttcaa 120
tgttcagggt taaatactaa gcacaaaaat ataacaaatt ctgtgtctac aataattttt 180
gaagtgtata caagtgcatt gcaaatgagc tctttaaaat ttaaagtcca tttccctttt 240
agccaagcat atgtctacat ttatgatttc tttctcttat tttaaagtct cttctggttt 300
agttttttta aaagtttcat catggctgtc atcttggaat ctagcctcca gctcaaagct 360
gagacttcac gcatacatat tctcctttct gggtgcatct tcacctagtt tctccaagta 420
ttcagagtta aatagcacia cttcttttat atgttcactt ttgtccacat gtagtggcag 480
tgctgtgtct tcagtaggct ttctcacaca cccttttctt tctttcaaca gcagtcacca 540
aacgttcaca acacaa 556
```

<210> 56

<211> 166

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 36, 37, 58, 113, 118, 131, 133, 162

<223> n = A,T,C or G

<400> 56

```
atgggccctg attacatcat tatgaactac tcaggnaac atcccaaata ccgacctngg 60
gaaagacttg gtccgagatg tgttcatcca tacaggctac ctcttccaga gncaggnc 120
caagagctgc ntnatcacct acctggccca ggtggacccc anaggg 166
```

<210> 57
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 7, 452
 <223> n = A,T,C or G

<400> 57
 acatccncat gttcctccaa atgaogtttg gggtcctgct tgccaacatt ctttattgcc 60
 agctgttcag gtgtcatctt atcttcttct tctacagcct tattgtaatt cttggctaata 120
 tccaacatct cttttaccac tgattcattg cgtttacaat gttcactgta gtccctgaagt 180
 gtcaaacctt ccatccaact cttcttatgc aaatttagca acatcttctg ttccagttca 240
 tttttccgat agttaatagt aatggagtaa taatgtctgt ttagtccatg aattaatgcc 300
 tggatagatg gcttggttaa gtgaccaga ttccaagtgt tttgtcttgg ttcatgtcct 360
 aagaccatca tattagcatt gatcaatctg aaggcatcaa taacaacctt tcctttttaca 420
 ctctgaatgg gatccacaac cactgccaca gntctctccg ataaggcttc aaagc 475

<210> 58
 <211> 520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 7, 397
 <223> n = A,T,C or G

<400> 58
 actgttnatg tgctacttgc atttgctcct cttcctgtgc actaaagacc ccactcactt 60
 ccctagtgtt cagcagtgga tgacctctag tcaagacctt tgcaactagga tagttaatgt 120
 gaaccatggc aactgatcac aacaatgtct ttcagatcag atccatttta tccctcctgt 180
 ttacagcaa gggatattaa ttacctatgt tacctttccc tgggactatg aatgtgcaaa 240
 attccaatgt tcatgggtct tccctttaaa cctatatctt acccctttta cattatagaa 300
 aggaatgctg gaaaccaga gtccctctct tgggactcct aatgtgtatt tctaattatc 360
 catgactctt aatgtgcata ttttcaattg cctaattngat ttcaattgtc taagacattt 420
 caaatgtcta attggggaga actgagtcct ttatatcaag ctaatatcta gcttttatat 480
 caagctaata tcttgacttc tcagcatcat agaagggggt 520

<210> 59
 <211> 214
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 34, 120, 153, 159, 171, 179, 184, 194, 197
 <223> n = A,T,C or G

<400> 59
 ctggcaggaa atgcatcaaa agacttaaag gtanagcgta ttaccctctg tcacttgcaa 60

cttgctattc gtggagatga agaattggat tctctcatca aggctacaat tgctggtggn 120
 ggtgtcattc cacacatcca caaatctctg atngggaana aaggacaaca naagactgnc 180
 taanggatgc ctgnatncct tggaatctca tgac 214

<210> 60
 <211> 360
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 33
 <223> n = A,T,C or G

<400> 60
 gcatacaaca tggcagcagg gcctcgggaa gangggtagg aggaccgagc agcattctct 60
 gtagaggaag acaggaaagg agaccctctt ggcacacatt tatggagggt tgtccctgaa 120
 gagaagggca ggtgggagag gttccctgtt acttaagaga aggcaccagt ggcaaagagc 180
 acaatgaaga ggatgatgat aaaaacaatc acgcagataa ggacaatcat cttcacgttc 240
 ttccaccaga attttcgagc caccttctgc gatgtcgtct tgaagtgtc agatgtggct 300
 tccagatcct ctgtcttggt gcggagatgt tccaagtttt ccccccgggc caggatccgc 360

<210> 61
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 56, 60, 92, 135, 176, 264, 308, 323, 345, 377, 378
 <223> n = A,T,C or G

<400> 61
 tntgggatcg tactcgatta aacagagcca cctttgttcc tgaggcaatg cataantcan 60
 catTTTTTcaa tgactgcttc tttttggaag gnttggagat gacttttatc cgcttgctga 120
 ggaacacacc aatgncatca ctgttgccat agaacatctt tacagacaac atgaantgct 180
 ttcgcttgtc tgagtcagat atatacaatg ttttggctgt gcaatagtgc tttccttcca 240
 agtttagctg ctgcatttct tggncactat ttctatccc aataaatgca cacggttgag 300
 actcttgntc agaacaacca tcnogttcca tttgttcttt ttttntcttc catccactgc 360
 ccataagata tacacannga ggtgggcaaa a 391

<210> 62
 <211> 324
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 223, 291, 302, 304, 316, 317
 <223> n = A,T,C or G

<400> 62
 acaattttat ttttaacagat ttcaagagtc catttttttaa aaaatgagca ataaagaacc 60

```
<210> 63
<211> 360
<212> DNA
<213> Homo sapiens
```

<400>	63						
acaganncc	tgaatatgtt	gtggttcct	cattatggcc	cttcattccc	ttctgtgtta	60	
atagtaaagc	atgttgcta	ataactaaa	ccctgaccaa	atttgggcct	ggatctcatg	120	
ggtcacgtgg	agttttaaat	acgattttta	atttacttgg	gtaattgagc	tgaatcttta	180	
gttttcagat	tactttttta	aacagatagg	ctcttagaac	aaattattaa	aaacataata	240	
ccccattgga	ggggaatctg	gattaactac	ccactgttcc	cacccccccc	aacttttgaa	300	
aaattttggc	catatagaat	gcataaaaa	tcaggtatga	tcttatgagg	actttatagt	360	

```
<220>  
<221> misc_feature  
<222> 1, 403, 443, 464  
<223> n = A,T,C or G
```

```
<210> 65
<211> 484
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 319
```



```
<220>  
<221> misc_feature  
<222> 29  
<223> n = A,T,C or G
```

<400> 68

```

cacttgcaag cttgcttaca gagacctgnt aaacaaagaa cagacagatt ctataaaatc 60
agttatatca acatataaag gagtgtgatt ttcagtttgt ttttttaagt aaatatgacc 120
aaactgacta aataagaagg caaaacaaaa aattatgctt ccttgacaag gcctttggag 180
taaacaaaat gctttaaggg tcctggtgaa tgggggttgca agg 223

```

<210> 69

<211> 396

<212> DNA

<213> Homo sapiens

<400> 69

```

accttttttc tctccaaagg aacagtttct aaagttttct ggggggaaaa aaaacttaca 60
tcaaatttaa accatatggt aaactgcata ttagttgtgt tacaccaaaa aattgcctca 120
gctgatctac acaagtttca aagtcattaa tgcttgatat aaatttactc aacattaaat 180
tatcttaaat tattaattaa aaaaaaaact ttctaaggaa aaataaacia atgtagaccg 240
tgattatcaa aggattatta aagaatcttt accaaaaatt tcaaccctac aacctaaaaac 300
cgcaaatctt tattttttaa catcagaaaa taactcttgg ttcattactt atgacccaaa 360
gtttttatct cactattcaa tatctgaaaa gtatca 396

```

<210> 70

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6, 7, 38, 327, 367

<223> n = A,T,C or G

<400> 70

```

accannccc acccaggcaa acagctccga catgtttngt aagttagaca agccagtga 60
agtttttttt ttttttctct ttttcttttt tttgtctttt gcttaccttc ttgcttaatg 120
gaattgttat ggctaagcac atagaaggcc aaaaaaggag tttttcaaac ccagcaaata 180
aagtgccttg attctgaact gccaaaagaa aactgcactt cccctcttaa gtaaaacgaa 240
atgagtttct taggtaaatg tattcatcag cccagataaa aaaaaaacca gttatgtgag 300
cgttagtcac tgctcatttc caggaanata aaacaaaata ccagcccagc cagactcaca 360
tgtgggnata tatatataaa gcaagagagc cacaccaca ag 402

```

<210> 71

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 229, 292, 382

<223> n = A,T,C or G

<400> 71

```

accagtagag agtggccctt gcaggccact tataaacagg aagctctctc ctgagctcac 60
tgatcaacct gcccttggca cagacagaac ctaccagaaa agaacaagta caaaacacta 120
tcattatctg ttttctcaag acagtcccaa atgtccttgt gcgatcgcca caaactcagt 180

```

gattggccca agtcattccc ggggtgccata aacagtaact ggtgtgcanc attagaacaa 240
 ggggacacgg ccttgattct cttctgagca acatgaactg ggatttctgc cncocggat 300
 ctcggtgcc acctccgaag aagtcgtgac cagccacctc cacagtaaaa gattcctccc 360
 gtgagtatga tttggaatgc gncct 385

<210> 72
 <211> 538
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 326
 <223> n = A,T,C or G

<400> 72
 caattaatta acagaggtat aattgtctca ctttcagaag tgatcattta tttttattta 60
 gcacaggtca taagaaaaat atatagaaaa ataatcaatt tcatatataa aaggattatt 120
 tctccacctt taattattgg cctatcattt gttagtgtta tttggtcata ttattgaact 180
 aatgtattat tccattcaaa gtctttctag atttaaaaaat gtatgcaaaa gcttaggatt 240
 atatcatgtg taactattat agataacatc ctaaacccttc agtttagata tataattgac 300
 tgggtgtaat ctcttttgta atctgntttg acagatttct taaattatgt tagcataatc 360
 aaggaagatt taccttgaag cactttccaa attgatactt tcaaacttat tttaaagcag 420
 tagaaccttt tctatgaact aagtcacatg caaaactcca acctgtaagt atacataaaa 480
 tggacttact tattcctctc accttctcca ggcctaggaa tattcttctc tggagccc 538

<210> 73
 <211> 405
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8, 9, 39
 <223> n = A,T,C or G

<400> 73
 actttatnna tgaattttc ttctacttgt atccatttnc cggggcttat ggaccattc 60
 atactctcca tatttagaat caaaggttcc tttctgaaga gaccttaatt ttaaggtaaa 120
 acgtggtcca agttcctgaa ttcccacttt cttttcactc ctgaatatgt atctgtgaaa 180
 tctgaagaat atgtaatccc gttgattgtg gaatgtggca acctgccttc cgataaattg 240
 aggattatga ggaaagagag atgcaaacat acgtccaatt gaatgacca gccgtgttg 300
 aaaattattc agaattattt caggatgtg ttctgtgggg tccttgccctc ttctcttaat 360
 ttctttacga agacgaacac tgctcatttt aaaatgagca gttgg 405

<210> 74
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 34
 <223> n = A,T,C or G

ttagccctgc	acctgtttcc	tgcacccccct	gccnactggt	tctatggcca	caaggagttt	60
taccagtaaa	aggagtattga	ggtgtatttat	aagctgatgg	aaaaaatacc	atgtgctgtt	120
cccttggtgg	ttggaccctt	tacgatgttc	ttcagtgtcc	atgaccaga	ctatgccaag	180
attctcctga	aaagacaaga	tccaaaagt	gctgttagcc	acaaaatcct	tgaatcctgg	240
gttggtcgag	gacttgtgac	cctggatggt	tctaaatgga	aaaagcacccg	ccagattgtg	300
aaacctggct	tcaacatcag	cattctgaaa	atattcatca	ccatgatgtc	tgagagtgtt	360
cggtgatgc	tgaacaaatg	ggaggaacac	attgccaaa	actcacgtct	ggagctcttt	420
caacatgtct	ccctgatgac	cctggacagc	atcatgaagt	gtgccttcag	ccaccagggc	480
aqcatccagt	tggacagt					498

<213> Homo sapiens

agccttgac	atgatactca	gattcctcac	ccttgcttag	gagtaaaaca	atatacttta	60
cagggtgata	ataatctcca	tagttatttg	aagtggcttg	aaaaaggcaa	gattgacttt	120
tatgacattg	gataaaatct	acaaatcagc	cctcgagtta	ttcaatgata	actgacaaac	180
taaattat	ccctagaaaag	gaagatgaaa	ggagtggagt	gtggtttggc	agaacaactg	240
catttcacag	cttttccagt	taaattggag	cactgaacgt	tcagatgcat	accaaattat	300
gcatgggtcc	taatcacaca	tataaggctg	gctaccagct	ttgacacagc	actgttcac	360
tggccaaaaca	actgtggtta	aaaacacatg	taaaatgctt	ttaaacagct	gatactgtat	420
aagacaaaagc	caagatgcaa	aatttaggctt	tqattggc			458

<213> Homo sapiens

$$\langle 223 \rangle \quad n = A, T, C \text{ or } G$$

acctataacc	aaaanaatgc	ttattccaaa	atattttttg	tagctagtag	ttctttcctt	60
ggaggtaaag	aaaatacacc	caaactttta	attaccagga	ttcagaatat	ttaagagaac	120
aatttttagtt	aagaatcaaa	tatactgaga	ttcaaagagg	ggaaaaaaag	gaaatattat	180
agaagacaaa	ggtcaaaactg	gcattccaga	tctggagcaa	ttttgtaaag	caggaaaaca	240
actatgacaa	tctgnagctt	cttagatcat	tatagtgaat	gtccccattt	actataaggg	300
tttttataat	ggtgtttcct	aaataaagga	acataaatgt			340

<213> Homo sapiens

actccatttg tggaaactcgt gtcggagtcct ggtaaacagc cgaatgtctt cctcccctac 60
agtttcctct ccttgcatga gagcagtgat gtcttgatta aaggcattaa ttttatctat 120
caggaagaac attttttcat tttcgtcttc cggtatgtcg acaccatact tttgtagctc 180

```

ctctgttatt ctctggtgag tctccttgat ttgattttct aacaggggca gagattttaca 240
gatatgtgtg atgagctcgc tggtaagttt ttctgccagg caggggaaccg tggcctttcc 300
ttcctccagc agatccctga aatatgggtg gttctcaaag aagatcttct ctctctgcag 360
ggcttcggac aggctcagct ggtcctggat ctctgtctgg ccccg 405

```

```

<210> 78
<211> 410
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 10
<223> n = A,T,C or G

```

```

<400> 78
acagcagntn tagatggctg caacaacctt cctcctaccc cagcccagaa aatattttctg 60
ccccacccca ggatccggga ccaaaataaa gagcaagcag gcccccttca ctgagggtgct 120
gggtagggct cagtgccaca ttactgtgct ttgagaaaga ggaaggggat ttgtttggca 180
ctttaaaaat agaggagtaa gcaggactgg agaggccaga gaagatacca aaattggcag 240
ggagagacca ttgggcgcca gtcccctagg agatgggagg agggagatag gtatgaggggt 300
aggcgctaag aagagtagga ggggtccact ccaagtggca ggggtctgaa atgggctagg 360
accaacagga cactgactct aggtttatga cctgtccata cccgttccac 410

```

```

<210> 79
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 35, 36, 474, 479
<223> n = A,T,C or G

```

```

<400> 79
acagtgaaaa acaaactaat ataaagcatt ccagnngata aaaacctcct caggcttatg 60
gtttgttttc caaggaaatt atgtttcaat gtaaagtttg aaatactcca gacatacatt 120
ccatgtaggt tttgggtgcc aatgttaaaa tttcaaattt tgcattgcaag gcttagcaaa 180
gaaacactgg cagaattcca gcatttgcaa aattctaagt tttggtgaat attgtaaata 240
ttacaattgg tattagaaag ccatgatgaa tccagaatta agagaaaacc catttcataa 300
atattttgtt tgattaaaaa ataccaggct taccatgttc taaataacac aagaaaatat 360
ctttaaaaaa aaaaggactg caatttaaca gtaatctgta tatcttttagc tgccattaaa 420
aaaagaaaaa agaacaacca aaaacaatga aaatgttaca actgggtataa agtnaccna 480
tgatgctccc cttacgagaa aacaaaactg tc 512

```

```

<210> 80
<211> 174
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 42, 49, 66, 68, 143, 152, 162
<223> n = A,T,C or G

```

<400> 80
 tgattcccca gacctcaaat gggctaacac gcttctcttc tncagcagnc ttcctgtccg 60
 tgaagntncc ttccagattg gtacatggaa ctgaaaacaa agggagcctc agctggattg 120
 aaatctggag catgccacaa agncttgac tnggcatttt cnagaagaac ccat 174

<210> 81
 <211> 274
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 32, 133, 219, 234, 239, 241, 272
 <223> n = A,T,C or G

<400> 81
 ttgcaacaag cacattaaat taaggcctgc tngaatttct tcttcccaa tcaggtaaac 60
 tttctttgcc aataaagttt gaggaggtgg catttgaaaa tctctttaa aaagaagtct 120
 tcatctattc acnagaaaac tcaaaaataa ttttcattat caacacacaa actaactcaa 180
 tctctgcttt aagtttctat tggccaattt ttctgattna tacgagaatt attntcagnt 240
 ntagaaaatc ctggtctttg gtcattacaa gntg 274

<210> 82
 <211> 101
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 25, 26, 44, 74, 75, 84, 87, 101
 <223> n = A,T,C or G

<400> 82
 atggagaaga tcgaacctga gcctnntgag aattgcctgc tacngcctgg cagccctgcc 60
 cgagtggccc agcnnccattt cacnagntgg gcatgatttg n 101

<210> 83
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 83
 tattatgggg aaagataact gagaataaag ctatcatgca gatatttgca gagataaaag 60
 taatgcagat actgagtga gttttgatca aactatgctt gaaagccact ctaccactag 120
 ttacacaaac caataatttc ccttcgcagt ggaagtcagc ttgagttttt tcagggtgttt 180
 tt 182

<210> 84
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>

TC006447.24237001

<221> misc_feature
 <222> 163, 191, 203, 222, 223, 228
 <223> n = A,T,C or G

<400> 84
 actgtttgta gctgcactac aacagattct taccgtctcc acaaagggtca gagattgtaa 60
 atggtcaata ctgacttttt ttttattccc ttgactcaag acagctaact tcattttcag 120
 aactgtttta aacctttgtg tgctgggtta taaaataatg tnggtaatcc ttgttgcttt 180
 cctgatacca nactgtttcc cgnnggttgg tagaatatat tnngttcng 229

<210> 85
 <211> 500
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9, 44, 494
 <223> n = A,T,C or G

<400> 85
 ggggagtang tgatttatta aagcaagacg ttgaaacctt tacnttctgc agtgaagatc 60
 aggggtgtcat tgaaagacag tggaaaccag gatgaaagtt ttacatgtc acacactaca 120
 tttcttcaat attttcacca ggacttccgc aatgaggctt cgtttctgaa gggacatctg 180
 atccgagcat ctcttcaact ctaacttggc tgcaacagct tccagagggg catcaaattt 240
 ggcaagactt aacttgaaca gaggttcaact aatgaagaag aagtctaaca gctcagaaac 300
 aagagctggg cagaactcgg cattggcctg gtagcagcag agggccagcg tgaccagcag 360
 gagacacacc gacagcttca tgggtggcttg ttttgctgtg agctcagctt tcacaaacaa 420
 tgagtgattt ggactccacc ccaggagcct gtggagctgc agagcccagg gctatttgta 480
 cctgcccggg cggncgctcg 500

<210> 86
 <211> 323
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 90, 93, 132, 180, 266, 270, 275, 279, 305, 316
 <223> n = A,T,C or G

<400> 86
 ccgccagtgt gctggaattc gcccttgccg cccgggcagg tactcagaag tcatttgtaa 60
 tttaacaattg ggtttggtgt ggatgggatn tanggcggat gagccagtgc ttttgcaatg 120
 aagatgcaat antcattgtc ctctcccaact gtctcctctt tcctcacccc atggcagctn 180
 tcatgacca ttcccaaagg gtccaccgag tcctgaactc agcttcatca ccaacattcc 240
 tcgccttcag ttgaattcaa cactgncaan ggagnagang caaagacttg ggtcagggag 300
 aggnngggaa acacanaaca aac 323

<210> 87
 <211> 230
 <212> DNA
 <213> Homo sapiens

```
<210> 88
<211> 249
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc feature  
<222> 31, 199, 244  
<223> n = A,T,C or G
```

```
<210> 89
<211> 203
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 36, 42, 166, 167, 187
<223> n = A,T,C or G
```

```
<210> 90
<211> 455
<212> DNA
<213> Homo sapiens
```

<400>	90						
ctctaagg	gctggcaaca	tggctcagca	ggcttgcccc	agagccatgg	caaagaatgg	60	
acttgtaatt	tgcattctgg	tgatcacctt	actcctggac	cagaccacca	gccacacatc	120	
cagattaaaa	gccaggaagc	acagcaaacg	tgcagtgaga	gacaaggatg	gagatctgaa	180	
gactcaaat	gaaaagctct	ggacagaagt	caatgccttg	aaggaaattc	aagccctgca	240	
gacagtctgt	ctccgaggca	ctaaagttca	caagaaatgc	taccttgctt	cagaaggttt	300	
gaagcatttc	catgaggcca	atgaagactg	catttcctaaa	ggagggaatcc	tggttatccc	360	
caggaaactcc	gacgaaatca	acgccctcca	agactatggg	aaaaggagcc	tgccagggtg	420	
caatgacttt	tggctggggca	tcaatgacat	ggtca			455	

<210> 91
 <211> 488
 <212> DNA
 <213> Homo sapiens

<400> 91
 actttgcttg ctcatatgca tgtagtcact ttataagtca ttgtatgtta ttatattccg 60
 taggtagatg tgtaacctct tcaccttatt catggctgaa gtcacctctt ggttacagta 120
 gcgtagcgtg gccgtgtgca tgtcctttgc gcctgtgacc accaccccaa caaacatcc 180
 agtgacaaac catccagtgg aggtttgtcg ggcaccagcc agcgtagcag ggtcgggaaa 240
 ggccacctgt ccactccta cgatacgcta ctataaagag aagacgaaat agtgacataa 300
 tatattctat ttttatactc ttctattttt tgtagtgacc tgtttatgag atgctgggtt 360
 tctaccaaac ggcoctgcag ccagctcacg tccaggttca accacagct acttgggttg 420
 tgttcttctt catattctaa aaccattcca ttccaagca ctttcagtcc aataggtgta 480
 ggaaatag 488

<210> 92
 <211> 420
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 30, 33, 34, 204, 225, 319, 372, 383, 385, 390, 414, 416, 418
 <223> n = A,T,C or G

<400> 92
 tctccggcag gctctgcccc ggtcgtagcn agnnaaccta taatcctgac cttttttgta 60
 gacaaccttg gtgctgaggt taactccatc cattgtagtg gcctgtatat caatgggacg 120
 attgcatatt ttctctgggt gagctttcca gaggtctgaa attttctccc cacctttagt 180
 ctgagatact ttatcatgat cganccactc cgtccactcc acgtnttgaa ccactcact 240
 ggacaaagaa acattgaaat attcgccatg ctctgtctgg aacaatttga ataccggggc 300
 agcagcagag cctcgatgnc caggatattc aatatggtct tccactgaag atgatggatt 360
 tcctttcaca gntagaaaac ttncnagggn gtctaaatcc aaggtgcagg aagngngngc 420

<210> 93
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 11, 53, 168, 197, 231, 237
 <223> n = A,T,C or G

<400> 93
 accacgaatt ncaacatcca gatccaccac tatectaatt ggattgtaac tngnaactgt 60
 gcccggtctc tgaaagccga ccacatgca accaacgggg tgggtgcacct catcgataag 120
 gtcacttcca ccatcaccaa caacatccag cagatcattg agatcganga cacctttgag 180
 acccttcggg ctgctgnggc tgcatcaggg ctcaacacga tgcttgaagg naacggncag 240
 t 241

<210> 94

<211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9
 <223> n = A,T,C or G

<400> 94
 actctattnt aattctgcct ttttatactt aattctaaat ttttccctc taattttacaa 60
 caaattttgt gattttttata agaattctatg cctccccaat tctcagattc ttctcttttc 120
 tcctttatth ctttgcttaa attcagtata agctttcttg gtatttttagg cttcatgcac 180
 attcttattc ctaaacacca gcagttcttc agagacctaa aatccagtat aggaataact 240
 gtgtaggttc ttgaaaaagc attaaagaca tttttccctg aaacatacag aacatgtcat 300
 gccaaatctc ttgtttacat aataaactgg taataccggg gaattgcaca tacagatttt 360
 atctccaaga tagaataact taaatattaa aacgt 395

<210> 95
 <211> 304
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 15, 45, 47, 180, 216, 296
 <223> n = A,T,C or G

<400> 95
 cgaggtacag tgatngctcc ccttgggcaa tacaatacaa gaacngnggg ttttgtcaaa 60
 ttggaacaag gaaacagaac cacagaaata aatacattgg ttaacatcag attagttcag 120
 gttacttttt tgtaaaagtt aaagtagcag gggacttctg tattatgcta actcaagtan 180
 actggaatct cctgttttct tttttttttt taaatnggtt ttaatttttt ttaattggat 240
 ctatcttctt ccttaacatt tcagttggag tatgtagcat ttagcaccac tggctnaaac 300
 ctgt 304

<210> 96
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 96
 aactgtcag cagggactgt aaacacagac aggggtcaaag tgttttctct gaacacattg 60
 agttggaatc actgttttaga acacacacac ttactttttc tgggtctctac cactgctgat 120
 attttctcta ggaaatatac ttttacaagt aacaaaaata aaaactctta taaattttcta 180
 tttttatctg agttacagaa atgattactg aggaagatta ctcagtaatt tgttttaaaaa 240
 gtaataaaaat tcaacaaaca tttgctgaat agctactata tgtcaagtgc tgtgcaaggt 300
 attacactct gtaattgaat attatttctc aaaaaattgc acatagtaga acgctatctg 360
 ggaagctatt tttttcagtt ttgatatttc tagcttatct acttccaaac taatttttat 420
 ttttgctgag actaatctta atcattttct ctaatatggc aaccattata accttaattt 480
 attattaacc ataccctaag aagtac 506

<210> 97
 <211> 241

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 144, 165, 167, 171, 187, 214, 215, 228, 239
<223> n = A,T,C or G

<400> 97
atatttctttt taattacttt agagagctag ggatgcaa at gttttcagtt agaaagcctt 60
tatttacttt tggaaattga acaagaaatg catctgtctt agaaactgga gattatttga 120
tgtaggtaaa aacatgtaat tgtntctctg gcaaatttgt atcantnatt ngaaaatgag 180
atattangaa aaaccaattc ttcttaaate tagnncatct ttctttanaa gaacattana 240
t 241

<210> 98
<211> 79
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 9, 20, 22, 24, 33, 48, 54, 61
<223> n = A,T,C or G

<400> 98
ggcaaacana cttatgctgn ancnggggtt tancaagggt ttcaaagnaa aaanccatt 60
ngactttatg gaaaatatt 79

<210> 99
<211> 316
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 27, 29, 32, 68, 293
<223> n = A,T,C or G

<400> 99
ccacatatgt aaaaccacaga aagaccngnt tngcactttc actgagagtt gagtcatctg 60
ggctgtcnac aggtgtctga cgtgtaaact tggaaatcaaa ctgacttaca tcctcttcag 120
attgcaacag aggttttaaag ggggggtcca cctttcgagc cagaagttct tcccagttaa 180
tgtgtctaaa gaatggatga gcttgaactt ctccagcgtc cccaggacca gctcccagac 240
gagaagcagc atttcttttc agcagctttt taagcagatc tctggcttct tgngtgaggt 300
agggaggcaa attgag 316

<210> 100
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> 255

<223> n = A,T,C or G

<400> 100

```
accgctttca gaaagtttat atgggttatt cttcagcctc tcttttatgc ctttcgacct 60
ctgtttatca accccaaacc aattacgtat ctggaagtta tcaataccgt ggcacaggtc 120
acttttgaca ttttaattta ttactttttg ggaattaaat ccttagtcta catgttggca 180
gcatctttac ttggcctggg ttgacacca atttctggac attttatagc tgagcattac 240
atgttcttaa agggncatga aacttactca tattatgggc ctctgaattt acttaccttc 300
aatgtgggtt atcataatga acatcatgat ttccccaaca ttcttgaaa aagtcttcca 360
ctggtgagga aaatagcagc tgaatactat gacaacctgc ctcactaaa tttctggata 420
aaagg                                           425
```

<210> 101

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 141

<223> n = A,T,C or G

<400> 101

```
actgacttgg gaatgtcaaa attctttatt atgatcttcc gagtgttgtc ctgagctttg 60
ttggccctca actgcaggca gagaaccagg agcagggtgg cagggtctggc cctgaacagg 120
agctggagca agcgcattgt ngagaaaaca gaaggc                                           156
```

<210> 102

<211> 230

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 192, 194, 197, 214, 226, 227

<223> n = A,T,C or G

<400> 102

```
actccaggcc gggntcagg ttatcaaaag tgcaggagct ctgatcagca tggaccactt 60
cttccaaaga atttccctgc tggccgtttg taggggttgt ggtaattcta taaccagtaa 120
tgtctggggt ggtgctcctc tcccaggaga ctgtgagcac tccagtgtca gggtttgcct 180
ccagatgcaa gntngtnggt ggagacaatg gtgncaccac tttgtnnaca 230
```

<210> 103

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 17, 21, 23

<223> n = A,T,C or G

actgtgaacc	ctgnggnttc	nangcgacct	acctggagct	ggccagtgc	gtgaaggagc	60
agtatccggg	catcgagatc	gagtcgcgcc	tcgggggcac	aggtgccttt	gagatagaga	120
taaatggaca	gctggtgttc	tccaagctgg	agaatggggg	ctttccctat	gagaaagatc	180
tcattgaggc	catccgaaga	gccagtaatg	gagaaaccct	agaaaagatc	accaacagcc	240
gtcctccctg	cgtcatcctg	tgactgcaca	ggactctggg	ttcctgctct	gttctggggg	300
ccaaaccttg	gtctcccttt	ggtcctgctg	ggagctcccc	ctgcctcttt	cccctactta	360
gctccttagc	aaagagaccc	tggcctccac	tttgcccttt	gggt		404

<213> Homo sapiens

 $\langle 223 \rangle$ n = A, T, C or G

accagggttat	ataatagtat	aacactgccca	aggagcggat	tatctcatct	tcatcctgta	60
attccagtgt	ttgtcacgtg	gttgttgaat	aatgaataa	agaatgagaa	aaccagaagc	120
tctgatacat	aatcataatg	ataattatct	caatgcacaa	ctacgggtgg	tgctgaacta	180
gaatctatat	tttctgaaac	tggctcctct	aggatctact	aatgatttaa	atctaaaaga	240
tgaagttagt	aaagcatcag	aaaaaaaaagt	gggtattcct	acaagtcagg	acattctacg	300
tgactataat	ataatctcac	agaaatttaa	cattaatacn	ttctaagatt	taattcttag	360
antctnggta	aacaaagtag	ctcctgtgga	natgattggc	atca		404

<213> Homo sapiens

$\langle 223 \rangle$ n = A, T, C or G

acagcagaag	ccagttctang	atggtgtgat	tcaattttctg	cctctagtat	ttcttttgtct	60
tgtttttcct	tcaattttaga	agtgagcatt	gtgttctcag	ctatcagaac	tttaagctgc	120
ccactatatt	gagatgccct	tttagctaatt	gattcctctt	tcagtttttag	ggtcattctga	180
agttcagcat	tcttttcttt	taaaatctta	atgtcctcaa	agtattttatt	ttcctttttcc	240
tgttatgtgn	gttttcagngt	ggctatttcc	agtttttagca	tggcaattnc	ctttttcaac	300
atqcaatttt	catgtaaqaq	ataat				325

<213> Homo sapiens

<222> 13, $\bar{1}65$, 312, 347, 384, 387, 396, 398, 419

<400> 106

<210> 107

<212> DNA

 $\langle 220 \rangle$

<222> 12, $\bar{1}5$, 23, 169, 184, 231, 248, 263, 286

<400> 107

<210> 108

<212> DNA

<400> 108

<210> 109

<212> DNA

 $\langle 220 \rangle$

$\langle 222 \rangle$ 15, $\bar{1}34$, 201, 214, 309, 312

$\langle 223 \rangle$ n = A, T, C or G

<400> 109

```

gaatttttct tctanaataa gtattctgtt gacacagact attggtgaaga ttttcaacat 60
aaggtaatgc taggactggc ctccatagcat gagttgtgag taaagatctg gtctgttggt 120
tctccaaaag aagnttctta ctgcttgtct ctcatgagtt ttctgtttct gctttctctt 180
tttcatattg atatatacgg ntttttaaat ggtnattgta attaaatatc tcctcatttt 240
tctcttttag gagatgatgt tgcattttcc tctcaagaaa atgaatatca attgttatct 300
tgcttttgnt gncagctttc ttatgtgcat gaactaattg ctgttgaagc cacatatatt 360
t                                                                 361

```

<210> 110

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12, 13, 16, 110, 142, 143, 150, 161, 192, 198, 217, 223, 244, 263, 274, 285, 287

<223> n = A,T,C or G

<400> 110

```

acataatgac tnncanagtg aagctgattg gctgcggttc tggagtaaata ataagctctc 60
cgttcctggg aatccgcact acttgagtca cgtgcctggc ctaccaaata cttgccaaaa 120
ctatgtgcct tatccacact tnnaatctgn ctccatattt ntcagctgtt ggatcagaca 180
atgacattcc tntagatntg gcgatcaagc attccanacc tnggccaaact gcaaacgggtg 240
cctncaagga gaaaacgaag gcnccaccaa atgnaaaaaa tgaangnccc ttgaatgtac 300
taaaa                                                                 305

```

<210> 111

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 341, 369

<223> n = A,T,C or G

<400> 111

```

cgggggccag ccgggggtat tcagccatcg atcaaactca aaacctggaa tgatatccac 60
tctctttttc ttaagctcag ggaaatattc caagtagaag tccagaaagt catcggtctaa 120
gatgcttcgg aatttgaatt catgcacata ggccttgaga aaactgtcaa actgatcctg 180
atcacccacc aagtgggcca ggtatgagac aaagcagaaa cctttctcgt aggggggtctc 240
attataggtg tcgtccgggt caacgcctgg ttcaatcttc acgcggagct tgttgagtgg 300
gttttcctct ccagtgatgt ccatgtgctg acgcagcaga ncccggcccc ttgcagcctc 360
caagcagng t                                                                 371

```

<210> 112

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 16, 25

<223> n = A,T,C or G

<400> 112

```

acatcttagg ttttntttcc ttiantgtga agaggcggtt ccaccaaccc acagctctgc 60
gtcgagtttt tactagattg ctgcaaattt catggaatct ttgctgttgt tcagtgggtcc 120
atttattgga gccaaaaatt ctaggggcgt agaatgggaa caaggtagtc agccaagcac 180
aaaaacataa caaaacagga aacgccggac agaacagatg gatctagata gtagataatc 240
agaaacacca aagaaaccac acccatgatg gcagggtggaa accaggctct ttctcatcgg 300
aggactttat cagccatcag catcacttct ccccatcctt gcagctgttc ttccagactt 360
gcagtctctg cagccagcag gttgggtgct gcgattacct ccctccgcca tcgtctcggg 420
gatgcagtct ctacaagcgc agggcacctc cccaacgagt 460

```

<210> 113

<211> 204

<212> DNA

<213> Homo sapiens

<400> 113

```

gagaagacag cagagctgct ttccgcctct ttgagaccaa gatcacccaa gtccctgcact 60
tcaccaagga tgtcaaggcc gctgctaatac agatgcgcaa ctccctgggt cgagcctcct 120
gccgccttag cttggaacct gggaaagaat atttgatcat ggggtctagat gggggccacct 180
atgacctcga gggacacccc cagt 204

```

<210> 114

<211> 137

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 46, 52, 131

<223> n = A,T,C or G

<400> 114

```

accgcaagaa atgggacagc aacgtcattg agacttttga catcgncgc tngacagtca 60
acgctgacgt gggctattac tctggagggt gtcccaagcc cctgaagaac cgtgatgtca 120
tcacctccg ntccctg 137

```

<210> 115

<211> 278

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 13, 124, 147, 170, 209, 234

<223> n = A,T,C or G

<400> 115

```

gcggggcggt ttntggactc gctcatttac agagcatgcg tgggtcttcac ccttggcatg 60
ttctccgccg gcctctcgga cctcaggcac atgcgaatga cccggagtgt ggacaacgtc 120
cagntcctgc cttttctcac cacggangtc aacaacctgg gctggctgan ttatggggct 180
ttgaagggag acgggatcct catcgtcanc aacacagtgg gtgctgcgct tcanaccctg 240

```


tatatctttg gcatatctgc attactgccc tcggaagc

278

<210> 116
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 12, 22, 81, 96, 149, 165, 171, 176, 177
<223> n = A,T,C or G

<400> 116
acaccgtcat angtcaaaaag tncagtgtcg gccatcttgc atcaaatggt cttaaggcag 60
tgactggcta tcaaccacag nttctgtctc cccagntgca aacacaggat ccatgcaaca 120
gttctgagac catacactta gaaaccacng ggagatgcgg atcanatgca naactnnc 178

<210> 117
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 13
<223> n = A,T,C or G

<400> 117
actccccaat ggnggattta ttactattaa agaaaccagg gaaaatatta attttaatat 60
tataacaacc tgaaaataat ggaaaagagg tttttgaatt ttttttttaa ataaacacct 120
tcttaagtgc atgagatggt ttgatgggtt gctgcattaa aggtatttgg gcaaacaaaa 180
ttggagggca agtgactgca gttttgagaa tcagttttga cttgatgat tttttgtttc 240
cactgtggaa ataaatgttt gtaaataagt gtaataaaaa tccctttgca ttctttctgg 300
accttaaatg gtagaggaaa aggctcgtga gccatttgtt tcttttgctg gttatagttg 360

<210> 118
<211> 125
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 23, 59, 61
<223> n = A,T,C or G

<400> 118
gcgtcgtgct atgaccggac ttngtcttga aaggggatga cagcatggga ggcaatggnt 60
ncacatgtaa accccacact gaaagacaag gcactctctc cacagcagcc ccaacaacta 120
gccct 125

<210> 119
<211> 490
<212> DNA

10044-14004

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 104, 110, 117, 128, 142, 144, 157, 161, 223, 230, 247,
465, 484

<223> n = A,T,C or G

<400> 119
nacaaagaaa agcaaaaaga atttacgaag attgtgatct cttattaaat caattgttac 60
tgatcatgaa tgtagtagttag aaaatgttag gttttaactt aaanaaaatn gtattgngat 120
tttcaatntt atgttgaaat cngngtaata tcctgangtt nttttcccc cagaagataa 180
agaggataga caacctctta aaatattttt acaatttaat ganaaaaagn ttaaaattct 240
caatacnaat caaacaattt aaatatttta agaaaaaagg aaaagtagat agtgatactg 300
agggtaaaaa aaaattgatt caattttatg gtaaaggaaa cccatgcaat tttacctaga 360
cagccttaaa tatgtctggt tttccatctg ctagcatttc agacatttta tgttcctctt 420
actcaattga taccaacaga aatatcaact tctggagtct attanatgtg ttgtcacctt 480
tctnaagctt 490

<210> 120

<211> 361

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 142, 167, 307, 347

<223> n = A,T,C or G

<400> 120
caggtagagt aaaattaaca cttccgttac aggaaatgta tgacgcaa atataaaaat 60
taaaagggtga aaaaaagggtg acactgggtt cctaagatac aatttactct ttacaaccag 120
ggtccacagg tccaggctgc anagcgggca tcaggaagca gagcctncca cctgcttctg 180
ggggacctgg taataaaaaat cagcccatga tggcgctatg gcctctcaga caccacacgc 240
tgcctaaaca cctagagctc tggaaatagt caacaggaga gtgatttcca tgggggaaat 300
tttaanaag atgcacatgg gacaggcaat agaaagtttg ccaaggntaa atttggtacc 360
t 361

<210> 121

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15, 360, 380, 393, 398, 401

<223> n = A,T,C or G

<400> 121
acacaaaacc ttttnacata ttgggggctt accgctccaa attgctactg atcctttaag 60
ttcacaatat agaatttctt caccaattaa gtaataaccc tcattacaaa taaagtgc 120
ctgataacca aactcgtaag tcccatttgc agggactgct tggccattta aaggatcccc 180
tatatatgga catgtttctc tataacaggc gtcattctgag acaggtagcc atgtatgatt 240
ccgatcacia atagtatggg tggcaagagg aggtatatag aagtatcctt ttttacactt 300

ataatctact cggtcaccaa tctcatagta gggttttggt ttaccaatga gcctccatan 360
 cttcaaatgt tgggtggctn ctcacaggca tcnngcanaa ngagt 405

<210> 122
 <211> 152
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 15, 150
 <223> n = A,T,C or G

<400> 122
 acccgcctcc gttgncacag atcgctgtct gcccaactcca tcggccattc acttggcagg 60
 tgcgattggc agagccccgg agagtgtaac cgtcatagca gtggaaagag atctcatcac 120
 tcacattgta gtagggagac cggggccaan ta 152

<210> 123
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 123
 acatctgaca tatttatata gcacataaat tagggagtgc tctgaccctt gcccgaggag 60
 cccaagcact gagcagggag gtgaacgcca gtccagaaag aagggtgctgg agccccctgct 120
 ctgtcctctc catcacgggg ctccccctagg gcctccccag gcctccttgg ctgagtcagg 180
 gtgtctgcag gaggaagggt ttgtctgcat ttagtgtctg agactgggtt tgaggaggca 240
 ccagataaaa ggagatacac ttgcagctat aaagtcagct tcaaaccaca gggcttgtaa 300
 ttccaagagg aggggtggga ggcgaggcca tagtct 336

<210> 124
 <211> 253
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 248, 253
 <223> n = A,T,C or G

<400> 124
 ctgcaagagc ccagatcacc cattccgggt tcaactcccc cctccccaag tcagcagtc 60
 tagccccaaa ccagcccaga gcagggtctc tctaaagggg acttgagggc ctgagcagga 120
 aagactggcc ctctagcttc taccctttgt ccctgtagcc tatacagttt agaataat 180
 tttgttaatt ttattaaaat gctttaaaaa aacaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 aaaaaagntt gtn 253

<210> 125
 <211> 522
 <212> DNA
 <213> Homo sapiens

<400> 125

```

acaactgcaa gtctaagata atgttcattc attcccatca taaatgtaac attctaaata 60
ggtgtcttct gatgtcatct gtcagaattt cttttaaaact ttttcttcat cttcaacatt 120
atcaaagttc atccttattc ctcttgccct gatttcggag agtttccaat ttttcaacta 180
ttaaggcagc gattgctttt gcatctctgg tatttatctg ctcttcttga aaatttctct 240
ttgtcttttc gtagaaataa aacttaacag ttggataggc cctgatccca gctttctggc 300
atgtctgagc ataagcctga cagtctactt ttccagcttt cacttttctt ttaatcatcc 360
tagccaagag ctcaaattct ggagcaaaat tctggcaagg tccacaccaa ggagcataga 420
aatcaatcac ccaatgattt ttcccttgta gaacttttct actgaaagtc tgagggtgta 480
gatctgtgga tacttgaggt aaaaatccta gacc'ccagat tc 522

```

<210> 126

<211> 374

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 302

<223> n = A,T,C or G

<400> 126

```

ttttaagat attaaacttta cctttataaa tctttgtgtg aaatgaaaaa aaaaatcaag 60
gcatacaaat ttcattgtgt tctacatttt taaataccat cctttgtctc cgttaaaaga 120
ttttcatcca ttatttcaaa aaccttttaa gttcaactgt ccaatttaag acagagtga 180
gacatttttg agtatctgaa ctaagcattg tcttgactga aacgaagtaa gaactcaatg 240
agagtccttg tgggcctccc aggcattgct ttccgtagat agggaaactt atctttgttg 300
gncatcacgc ctgctatgtc taaatgtgcc cacttaggat gagttacgaa ttctttcagg 360
aatgctgcag ctgt 374

```

<210> 127

<211> 130

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12, 37, 47, 69, 75, 87, 112, 115, 124

<223> n = A,T,C or G

<400> 127

```

aaagccaaga cngccattgg cactgctatg gtaaggncac agggcancca gggccttctg 60
gcaaaaggng atacnaccag cactatnaac agacaggaca tgggtgagag gnagnctaca 120
caantcctaa 130

```

<210> 128

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 16, 24, 146

<223> n = A,T,C or G

<400> 128

```

acactgattt ccgntnaaaa gaancatcat ctttaccttg acttttcagg gaattactga 60
actttcttct cagaagatag ggcacagcca ttgccttggc ctcaactgaa gggctctgcat 120
ttgggtcctc tgggtctcttg ccaagnttcc cagccactcg agggagaaat atcgggaggt 180
ttgacttcct ccggggcttt cccgagggct tcaccgtgag ccctgcggcc ctcaagggtg 240
caatcctgga ttcaatgtct gaaacctcgc tctctgcctg ctggacttct gaggccgtca 300
ctgccactct gtccctccagc tctgacagct cctcatctgt ggctgttga 350

```

<210> 129

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 471

<223> n = A,T,C or G

<400> 129

```

acaataccaa agcttcataa tgctaaagaa aacaaaaaca aaagacaatg gtttacacag 60
ggaaataacc ctaaggcaat atgaaaacag tcataattta ttactgataa agagtaaagg 120
catccttccc atagaggggg ggaattcaca gggaacacta attatatcag atgaaccacg 180
gggatagaaa ataggcccat ttttaaaatt cattgagaaa ttattacttt ttctccacaa 240
ctgtgattct atacaaaata taaaccttgc aaaccttatg tgctacctga cagataaaag 300
tagcaggagc cagactcttg aagcacttga gactgatttc tacaaagtcc aggaagagca 360
atgattccag tgtgcagtgc tgatgcatgt gtgagcctaa catgttattc agctctgggt 420
gcagcccat ctacatgggg ccagtttagt ttttagggag tcacagatta ngcaggcaac 480
cgaggggcat gatttaaaaa gcaca 505

```

<210> 130

<211> 526

<212> DNA

<213> Homo sapiens

<400> 130

```

acaaaagagc ctgattcttt ttaattccac aaatacctag catctcaaag taacatgtaa 60
acaaacttct atgctgctca atgaatcctt ccaatttcga taataaacta aatagtattg 120
gatctagtat atgactttca tgtgtaagtt atggttctat ccattacttt aacaatatta 180
ctgatgtaac agagaaaaat ttccaactat tgtacttatt taaaacaaac tgacaagttc 240
aagcacctgt cttcagaaaa gccagcagca tttttttttt tttaacatac tcaaagtaag 300
at ttggccta agcccttaat acctttctga acagccatgc aactaaacac cctcaggaga 360
tgttacataa gggagagaag aacatggagc aatttgact tttccccta gataatatta 420
acaaggtaaa gcaaatccag atctttatga atgaatggct gtcattgtta atacacttgg 480
agctctataa aactagagcc actatcatat atgtttatat agatat 526

```

<210> 131

<211> 477

<212> DNA

<213> Homo sapiens

<400> 131

```

ctcagttttc ccagcaacag atgctcctga gcaatttatt agtcaagtga cgggtgctgaa 60
atacttttct cattacatgg aggagaacct catggatggg ggagatctgc ctagtgttac 120
tgatattcga agacctcggc tctacctcct tcagtggcta aaatctgata aggcccta 180

```

```
<210> 132
<211> 404
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 10, 15, 19, 24, 87, 125, 140, 355, 390, 399  
<223> n = A,T,C or G
```

```
<210> 133
<211> 552
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 529
<223> n = A,T,C or G
```

```
<210> 134
<211> 496
<212> DNA
<213> Homo sapiens
```

<400> 134
acattgatgg gctggagagc agggtggcag cctgttctgc acagaaccaa gaattacaga 60

```

aaaaagtcca ggagctggag aggcacaaca tctccttggt agctcagctc cgccagctgc 120
agacgctaata tgctcaaact tccaacaaag ctgcccagac cagcacttgt gttttgattc 180
ttcttttttc cctggctctc atcatcctgc ccagcttcag tccattccag agtcgaccag 240
aagctggggtc tgaggattac cagcctcacg gagtgacttc cagaaatata ctgaccacaca 300
aggacgtaac agaaaatctg gagacccaag tggtagagtc cagactgacg gagccacctg 360
gagccaagga tgcaaatggc tcaacaagga cactgcttga gaagatggga gggaagccaa 420
gacccagtgg gcgcatccgg tccgtgctgc atgcagatga gatgtgagct ggaacagacc 480
ttttctgggc cacttt                                     496

```

```

<210> 135
<211> 560
<212> DNA
<213> Homo sapiens

```

```

<400> 135
actgggagtg atcactaaca ccatagtaat gtctaataatt cacaggcaga tctgcttggg 60
gaagctagtt atgtgaaagg caaatagagt catacagtag ctcaaaaggc aaccataatt 120
ctcttttggtg caggtcttgg gagcgtgatc tagattacac tgcaccattc ccaagttaat 180
cccctgaaaa cttactctca actggagcaa atgaactttg gtcccaaata tccatctttt 240
cagtagcggtt aattatgctc tgtttccaac tgcatttctt ttccaattga attaaagtgt 300
ggcctcggtt ttagtcattt aaaattgttt tctaagtaat tgctgcctct attatggcac 360
ttcaattttg cactgtcttt tgagattcaa gaaaaatttc tattcttttt ttgcatcca 420
attgtgcctg aactttttaa atatgtaaat gctgccatgt tccaaaccca tcgtcaagtg 480
tgtgtgttta gagctgtgca ccctagaaac aacatattgc ccatgagcag gtgcctgaac 540
acagaccctt ttgcattcac                                     560

```

```

<210> 136
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 407
<223> n = A,T,C or G

```

```

<400> 136
accagcaaata ctccattagc atttctcagg ttctcatgac cttttcagat atgttggttg 60
attttatgta tatattgctt agaaacaaaa atccacctga tattaaaaca aaccaaaaaa 120
aatcataaaa gcaagcaaat gaacaaaaaa ccctagtttt gttgtgcttt tctttcacat 180
ttcctacagg gagatttgta tatctcagat actttcaaaa tctaataagg aagtaaaatt 240
agtgccttaa ccaaacagta agataccaaa gaatcctcca tcacaagtta ctgaatcaaa 300
cttctcatga catttgcggt atattcagat ttgaagattt tttaaattta gaatttaaaa 360
caaacttttag actgctgatt ttccatattt caaagactgt agctgtntgc agcatataaa 420
tgga                                     424

```

```

<210> 137
<211> 392
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 182, 293, 314, 375, 378

```

<223> n = A,T,C or G

<400> 137

```

tgcggggntg aaggctagca aaccgagcga tcatgtcgca caaacaatt tactattcgg 60
acaaatacga cgacgaggag tttgagtatc gacatgtcat gctgccaag gacatagcca 120
agctgggccc taaaacccat ctgatgtctg aatctgaatg gaggaatctt ggcgatcagc 180
anagtcaggg atgggtccat tatatgatcc atgaaccaga acctcacatc ttgctgttcc 240
ggcgccact acccaagaaa ccaaagaaat gaagctggca agctactttt cancccaag 300
ctttacacag ctgnccttac ttcctaacat ctttctgata acattattat gctgccttcc 360
tgttctcact ctganatnta aaagatgttc aa 392

```

<210> 138

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 168, 172, 218, 242, 245, 266, 268, 270

<223> n = A,T,C or G

<400> 138

```

tgcctgtgca cctctttgct tgaaatatgg caagacttgg aaaaatgttt gcccttagaa 60
totatctcac tacttttagtt agttgtctcc tttgggcctg ggcacagttc tggccctgat 120
ctggaacaga ctcccttttc taaaactgaa cttgaccaca tcaaaagntt gnaaaacaat 180
ctccatggta attaaacttg cattcaacac catatggnaa cagaagatgg caggaggata 240
anatncagat cttatgatct ttccangnan ggcattgtac atga 284

```

<210> 139

<211> 249

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 23, 28, 33, 67, 68, 81, 161, 168, 175, 183, 217, 248

<223> n = A,T,C or G

<400> 139

```

gaggaagggg ggactgaatc tancacntg acngaactag agacagccat gggcatgatc 60
atagacnnct ttaccgata ntcgggcagc gagggcagca cgcagaccct gaccaagggg 120
gagctcaagg ggctgatgga gaaggagcta ccaggcttcc ngcagagngg aaaaanacaag 180
gangccgtgg ataaattgct caaggaccta gacgcenatg gaggatgcc aggtggactc 240
cagcgagnt 249

```

<210> 140

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 26, 27, 35, 41, 96, 319

<223> n = A,T,C or G

<400> 140

```
tcataatggt tggggcagct ataatnnact acaanaatca natgtttcac atctagacct 60
cgggcagcaa cagaggtagc cacaagaagt ttgcangtcc cattcttaaa gtcatattatg 120
atgctatctc tgtcatattg atcaatgcct ccatgaagag acatgcaagg ataagatgct 180
ctcattaaat ccttaagaag accatcagca tgttcctgct tatccacaaa tataatgaca 240
gatcctgact cttgataatg gcctagaagc tcaagtaact tcaagaattt cttttcttct 300
tcaatcacia tcaattgtng ctccacatct gagcaaacca cactcctgcc tccaacttgt 360
acctgccccg ggcgggcgct caagggcgaa 390
```

<210> 141

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 20, 21, 23, 28, 155, 174, 221, 239, 240, 258, 265, 302, 307, 316, 342, 346, 374, 387, 388, 402, 418

<223> n = A,T,C or G

<400> 141

```
gacactcagg gaaaagcatn ngncaaanag agcttaaaat gcatcgccaa cggggtcacc 60
tccaagggtct tcctcgccat tcggagggtgc tccactttcc aaaggatgat tgctgagggtg 120
caggaagagt gctacagcaa gctgaatgtg cgcancatcg ccaagcggaa cccngaagcc 180
atcactgagg tcgtgcagct gcccaatcac ttctccaaca natactataa cagacttggn 240
cgaagcctgc tggaatgnga tgaanacaca gggcagcaca atcaggagac agcctgatgg 300
anaaaantgg gcttancatg gccaggcctc ttccacatcc tngcangaca gaccactgtg 360
cccaaacaca cccnctgagc tgacttnnac aggagacgca cnaaggagcc cggcagangc 420
```

<210> 142

<211> 371

<212> DNA

<213> Homo sapiens

<400> 142

```
gggttcgaca atgctgatcc gcaattagaa gacactggta agctgtgtta cactgggctt 60
cattgaaatc ttcaaggata tagccagctc ctgctcgaag ctgggattct gtatactgct 120
tggtgaaagg aggaatttcc aaaaattcct cctctcttc actgcttct gtaggacat 180
ctggcagttt ggagcggctg gccaaacttgt cactggttgt ggccatggta aggagaaatg 240
cgtagcccag aaacaaggctc ttgttgagag gcaaaggccc tctctgctct tccagggcag 300
agggttcacc ggtgttgtct ccactctcac aggggctcac aaactctcct gccctactt 360
gcaccagggt t 371
```

<210> 143

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 13, 20, 41, 76, 77, 104, 110, 123, 145, 154, 165, 190, 199, 217, 239, 241, 247, 262, 267, 269

<223> n = A,T,C or G

<400> 143

```
ggtggctgtg atnacctttn ttagtttaca aataaaaaag ntaaaaagaa atactgtgtt 60
tagggtaagg taacannttc atctaatacag aggagagtga agangaggcn ctgccttcta 120
ggngctgtga ccttctcctt ttctgngattc ttccnccacct tgggnaacat cttccccgct 180
atgctggaan tacttcggng ttctgcggtg gccatgntga acatctgatg aactgaaant 240
ncatccnaat gcacacgaag anatagncna 270
```

<210> 144

<211> 259

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 28, 167, 223

<223> n = A,T,C or G

<400> 144

```
ttctctttgc tttttataat tttaaagnaa ataacacatt taactgtatt taagtctgtg 60
caaataatcc ttcagaagaa atatccaaga ttctgtttgc agaggtcatt ttgtctctca 120
aagatgatta aatgagtttg tcttcagata aagtgtctct gtccagnaga actcaaaagg 180
ccttcaagct gttcagtaag tgtaggttca gataagactc cgncatacga attccagctt 240
cccgtgccca ctgtacctc 259
```

<210> 145

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 406

<223> n = A,T,C or G

<400> 145

```
accacatnta ccatagtgtg attagtttta attttcacat gaatcaaagg ttctctttca 60
tgtctattta cagtccaatt gtgccaaact cttacttgtg tgctgactaa caaggcattt 120
aggtgtgcag catcctagag tgctccaggg cagtgtcagc gttctcggga gtaaaagggtg 180
ccacttggtg gcaatgatat tccagaatta aatgggtttt tgttgccatg gagactgcat 240
ttatataaat gtagcctgtg gcttaagtta actaaaccta atgctgctgt taaaaacagt 300
ttattttaat attaaaatac agttgattag caacagcggg gctgtatttt aagagacact 360
ttattggaag tgcaatcata gttattttgtt ttccacaattt tacagngcat tctaattact 420
gatgggtgca att 433
```

<210> 146

<211> 576

<212> DNA

<213> Homo sapiens

<400> 146

```
acctcaggcc tgtgcacctc tttgcttgaa atatggcaag acttggaata atgtttgccc 60
ttagaatcta tctcactact ttagttagtt gtctcctttg ggctgggca cagttctggc 120
```

cctgatctgg aacagactcc cttttctaaa actggacctt gaccacatca aaagtttgta 180
 aaacaatctc catggtaatt aaacttgcac tcaacacccat atggtaacag aagatggcaa 240
 aggataagat tcagatctta gatctttcca agtagggcat gttagatgat agaaggatta 300
 gttgcaagct ggatctgagc tcaggcttgg gcatgaagga aactgtctcc catgtgggtt 360
 ggaagagtta ggggctccct gagctctatt gtgaactata cgggtttcat ccaaggaatg 420
 gtatgatgtg ggcataaaac cattcttcag acaactgaag atggccccct tctgtagcca 480
 gaaacactag ctgtcctgca ttgccatttc ctttacccca ggcggcctgc agaaggaaaag 540
 gccataatta attaaaaggc ttaatgaagt tttgga 576

<210> 147
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 147
 ccagcccccga ggaggaaggt ggggtctgaat ctagcaccat gacggaacta gagacagcca 60
 tgggcatgat catagacgtc tttacccgat attcggggcag cgagggcagc acgcagaccc 120
 tgaccaaggg ggagctcaag gtgcttatgg agaaaggagc taccaggctt ctgcagagtg 180
 gaaaagacaa ggatgccgtg gataaattgc tcaaggacct agacgccaat ggagatgccc 240
 aggtggactt cagtgaagtc atcgtgttcg tggctgcaat cacgtctgcc tgtcacaagt 300

<210> 148
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 148
 acataatcct cataatgggt ggggcagcta taatttacta caagaatcag atgtttcaca 60
 tctagacctc gggcagcaac agaggtagcc acaagaagtt tgcaggtccc attcttaaag 120
 tcatttatga tgctatctct gtcattatga tcaaatggcc tccatgaaga gacatgcaag 180
 gataagatgc tctcattaaa tccttaagaa gaccatcagc atgttctctgc ttatccacaa 240
 atataatgac agatcctgac tcttgataat ggcctagaag ctcaagtaac ttcaagaatt 300
 tcttttcttc ttcaatcaca atcaattgtt gctccacatc tgagcaaacc acactcctgc 360
 ctccaacttg t 371

<210> 149
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> 10, 30, 32, 527, 565
 <223> n = A,T,C or G

<400> 149
 cgaggtacan cactgctaaa tttagactn anggaaaagc attcgtcaaa gagagcttaa 60
 aatgcacgc caacgggggc acctccaagg tcttcctcgc cattcggagg tgctccactt 120
 tccaaaggat gattgctgag gtgcaggaag agtgctacag caagctgaat gtgtgcagca 180
 tcgccaagcg gaacctgaa gccatcactg aggtcgtcca gctgccaat cacttctcca 240
 acagatacta taacagactt gtccgaagcc tgctggaatg tgatgaagac acagtcagca 300
 caatcagaga cagcctgatg gagaaaattg ggcctaacat ggccagcctc ttccacatcc 360
 tgcagacaga ccaactgtgcc caaacacacc cagcagctga cttcaacagg agacgcacca 420

10010341001

```

atgagccgca gaagctgaaa gtcctcctca ggaacctccg aggtgaggag gactctccct 480
cccacatcaa acgcacatcc catgagagtg cataaccagg gagaggntat tcacaacctc 540
ccaaactagat atcatttttag gggngttga cacaccagtt ttgag 585

```

```

<210> 150
<211> 642
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 5, 525, 612, 627
<223> n = A,T,C or G

```

```

<400> 150
acttncgggt tcgacaatgc tgatccgcaa ttagaagaca ctggttaagct gtgttacact 60
gggcttcatt gaaatcttca aggatatagc cagctcctgc tcgaagctgg gattctgtat 120
actgcttggt gaaaggagga atttccaaaa attcctcctc ttcttctactg cttcctgtag 180
gaccatctgg cagtttggag cggctggcca acttgtcact ggttgtggcc atggttaagga 240
gaaatgcgta gccagaaac aaggtcttgt tgagaggcaa aggcctctc tgctcttcca 300
gggcagaggg ttcaccggtg ttgtctccac tctcacaggg gctcacaac tctcctgcc 360
ctactgcacc aggttttact gtggcagact tgcgacctcg cttggcaggg gaccgttct 420
cttcagaagt gataagtttt cttttgcctg agagaactcc catggaggca cgaggacttt 480
ctgtgatctt tcgggtaggg gttgtgctgc tactggaggc agtanggggtg gctggggagc 540
tgacgttact gcgcggtttc cgcttctctc caccaaattg ctaagctgat atctgctgcc 600
tttgtaagaa gnggtactgc ttcatanggg ccaagcccat ac 642

```

```

<210> 151
<211> 322
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 171, 240
<223> n = A,T,C or G

```

```

<400> 151
nttggaacaac atcttccccg ctatgctgga attacttctg tgttctgcgg tggccatggt 60
gaacatctga tgaactgaaa ttccatcgga atgcacagga agatatagtt gatcttcaaa 120
aatgtccttt ccaggaccac catactgggg aagttctttc ggggtgcctgc naatgggctg 180
caccctgggg ctgggcccga gctctagctc tgtcatgcca tcgccactga aatcggttt 240
cagatgatta gtctcttcat gccccgtcca ttttctcggt tttctccagt gttcagaaat 300
tcaaagtatt aacttctggg aa 322

```

```

<210> 152
<211> 262
<212> DNA
<213> Homo sapiens

```

```

<400> 152
acaaagtctt ctctttgctt tttataatth taaagcaa ataacattta actgtattta 60
agtctgtgca aataatcctt cagaagaa atccaagatt ctgtttgcag aggtcatttt 120
gtctctcaaa gatgattaaa tgagtttgtc tttagaataa agtgctctg tccagcagaa 180

```

<400> 155
tcttgacaag actgagagag ttacatgttg ggaaaaaaaa agaagcatta acttagtaga 60
actgaaccag gagcattaag ttctgaaatt ttgaatcatc tctgaaatga agcaggtgta 120

gcctgccctc tcatcaatcc gtctgggtgc cagaactcaa ggttcagtg acacatcccc 180
 ctgtagaga ccctcatggg ctaggacttt tcatctagga tagattcaag acctttacct 240
 canaattatg taaactgtga ttgtgtttta gaaaaattat tatttgctaa aaccatttaa 300
 gtctttgtat atgtgtaaat gatcacaaaa atgtatttta taaaatgttc tgt 353

<210> 156
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 156
 agtttggtct actacatttg tggccacta gttcactttg ctgtgttgat aagcgttacc 60
 accaattgca ctttctatag cctcttttac aatgttgctc acttcatcaa caacaaaagc 120
 agtctcctcc gcagcctggg agtcttccat ctttcctccg gcgcgtccc 169

<210> 157
 <211> 402
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 147
 <223> n = A,T,C or G

<400> 157
 gttactacc cgctccgaga cgggattgat gacgagtcct atgaggccat tttcaagccg 60
 gtcagtcca aagtaatgga gatgttccag cctagtgcgg tggctttaca gtgtgggtca 120
 gactccctat ctggggatcg gttaggntgc tttaatctac tatcaaagga cacgccaagt 180
 gtgtggaatt tgtcaagagc tttaacctgc ctatgctgat gctgggaggg ggtggttaca 240
 ccattcgtaa cggtgcccggt tgctggacat atgagacagc tgtggccctg gatacggaga 300
 tccctaata gttccatac aatgactact ttgaatactt tggaccagat ttcaagctcc 360
 acatcagtcc ttccaacatg actaaccaga acacgaatga gt 402

<210> 158
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 158
 actttgggct ccagacttca ctgtccttag gcattgaaac catcacctgg tttgcattct 60
 tcatgactga ggtaactta aaacaaaaat ggtaggaaag ctttcctatg cttcgggtaa 120
 gagacaaatt tgcttttgta gaattggtgg ctgagaaagg cagacagggc ctgattaaag 180
 aagacatttg tcaccactag ccaccaagtt aagttgtgga acccaaaggt gacggccatg 240
 gaaacgtaga tcatcagctc tgctaagtag ttaggggaag aaacatattc aaaccagtct 300
 ccaaattgat cctgtggtta cagtgaatga ccaactctgc tttatttttc ctgagattgc 360
 cgagaataac atggcactta tactgatggg cagatgacca gatgaacatc atcatcccaa 420
 gaatatggaa ccaccgtgct tgcataata gatttttccc tggtatgtag gcattcctgc 480
 catccattgg cacttggctc agcacagtta ggccaacaag gacataatag acaagtccaa 540
 aacagt 546

<210> 159
 <211> 145
 <212> DNA

10010746.13001

<213> Homo sapiens

<220>

<221> misc_feature

<222> 63, 82, 100, 118, 120, 131, 138

<223> n = A,T,C or G

<400> 159

```
acttttgcta taagtttcct aaaaatattt aatacttttt tttttcaatt taaattaaat 60
ctnttgatga acaggggggg gntggcaaaa tttccaagcn ctggactgga attttganan 120
aggcatttac ngaccctnat aactt                                     145
```

<210> 160

<211> 405

<212> DNA

<213> Homo sapiens

<400> 160

```
tgtaaatcgc tgtttgatt tcctgatttt ataacagggc ggctgggttaa tatctcacac 60
agtttaaaaa atcagcccct aatttctcca tgtttacact tcaatctgca ggcttcttaa 120
agtgacagta tcccttaacc tgccaccagt gtccccctc cggtccccgt ctgtgtaaaa 180
ggggaggaga attagccaaa cactgtaagc ttttaagaaa aacaaagttt taaacgaaat 240
actgctctgt ccagagggtt taaaactggt gcaattacag caaaaaggga ttctgtagct 300
ttaacttgta aaccacatct tttttgcaact tttttataa gcaaaaacgt gccgtttaaa 360
ccactggatc tatctaaatg ccgatttgag ttgcgcgacac tatgt                                     405
```

<210> 161

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 33, 49

<223> n = A,T,C or G

<400> 161

```
tttgctttta atgaaggaca agggattaag acncatagag actggccana caaatgggaa 60
accgaccaga ccagcccatg accaaaatat cacaggcaga ccaccacaaa atgcagaggc 120
ctcagagtcc acagtgggcg gttggaaccc agggccccag ggaatctttc agctgcattc 180
cggtctgat cggcgggcaa caggtagagg tgctggaggg ggctgagtcg tgattttcgg 240
tgtctgtcat attcgatcaa gtgtgtcata gagcttcctg tttcatctcc cagttattca 300
aggagaggct ggtggctcca ctttcccagg aactgtgctg tgaagatctg aagacaggca 360
cggtctcagg caccgcttgt ctggaatgtc aatttgaaac ttaaaaagca gcgaccatcc 420
agtcatttat ttccctccat tcc                                     443
```

<210> 162

<211> 228

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 97, 147, 162, 174, 186, 213, 218

<223> n = A,T,C or G

<400> 162

```
tcgttatcaa aatggaagac accaaaccat tactggcttc taagctgaca gaaaaggagg 60
aagaaatcgt ggactagtgg agtaaatttt atgcttnctc aggggaacat gaaaaatgcg 120
gacagtatat tcagaaaggc tattccnagc tcaagatata tnattgtgaa ctanaaaata 180
tagcanaatt tgagggcctg acagacttct canatacntt caagttgt 228
```

<210> 163

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 225, 250, 364

<223> n = A,T,C or G

<400> 163

```
acccaaggct acacatcctt ctgtgaaaca gtctcacgga gactctcaga atcccaagaa 60
ttttcttcaa ctttcttttg ttttgattct gaaggggaaca tctgatctgc tctcaatggt 120
tgttcattct tcaattccaa ggctttattt ggaacagact ttgcatttca atggcagggt 180
cgaaggcaga tggcttctcg ggaggctctg ctttgaaagt ttgcntgtcc atcaattcta 240
aggctttagn tggaatagaa actttcattc tgcagggagc cttcagaaaa ccatcattat 300
caggagactc ttctaatttt ccatttattt tatctatttc tttttgatgc gcagccttgg 360
gtanacacac atccttctgt gaaacagtct cacagagact ctcagaatcc caagaacttt 420
cttcatagtc cttttgtttg gattctgatg ggagtatctc atctgctctc aatgtttgtt 480
cattcttcaa ttccaaggct ttatttggaa cagacttttg catttcaatg gcaggctcga 540
aggcagatgg cttctcggga ggctctgctt tgaaaagttg 580
```

<210> 164

<211> 140

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 16, 79, 107, 109, 116, 125, 136, 140

<223> n = A,T,C or G

<400> 164

```
acttatatct tttggncttg ggcttctcaa agttcacgac agacataggc actctcacag 60
tatcaagccc atttaccgnc acctcacacc aatactcgcc ccaccgngng ataggntctg 120
ctggnaaactt taatgnatgn 140
```

<210> 165

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 156, 157, 227, 232, 260, 283, 290, 299, 304, 310, 331, 338, 346, 353

<223> n = A,T,C or G

<400> 165
 acatggagcc actgccacca gtggtgatgg aaagcactgc cttcttactc cggaaggggc 60
 ctttgtcata catggcagcg taagtgtgaa caaactctcc tatgaacact cgctcaaacc 120
 agcctttcag aatggcaggg actccaaacc actgcnnggg ggaactggaa tatcacaagg 180
 tctgcggcct ccagcttctt ttgttcagcc acaatatctg ggctcanatg gncttcttta 240
 taagccagaa cagactcggg aggatactga aagttcgcag ggnccttcan ttacctgng 300
 atgncctttt tggaaatgat gggattgaag ntcattggnat aaaggncga ctnaccacc 360
 tccattcttt 370

<210> 166

<211> 258

<212> DNA

<213> Homo sapiens

<400> 166
 gtcaaaagtc atgattttta tcttagttct tcattactgc attgaaaagg aaaacctgtc 60
 tgagaaaatg cctgacagtt taatttaaaa ctatgggtga agtctttgac aagaaaaaaa 120
 aacaaacaaa cacttcttct catcagtaac actggcaatc ttctgttaa ccactctcct 180
 tagggatggg atctgaaaca acaatgggtc cctcttgag attcgttta agtgaattc 240
 cataatgagc agaggtgt 258

<210> 167

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 44, 106, 113, 115, 133, 147, 149, 181, 186, 188, 229, 230,
 242, 277, 291, 315, 317, 335, 337

<223> n = A,T,C or G

<400> 167
 ggtcagccaa acaccagga tctctgtaaa actgaagaac aggncaatgc caccaacaaa 60
 tctcaaaacc tctccagcat attctcctat gattggagca catggngagc acnantgggc 120
 acttttaaca canctagcca gacaggngnc atttgggtta acacttcgga acccacagca 180
 ntttanantt ctctggatgt catttcgagc acttgattt attggtcann tttctgtatc 240
 tngcgcttgg ttagccctga accaggagca acaggngcag cttctggagg ntgggtggaa 300
 caatacggca agtgnrngaa atgacatcca acctncngaa atgac 345

<210> 168

<211> 61

<212> DNA

<213> Homo sapiens

<400> 168
 gatagtgtgg tttatggact gaggtcaaaa tctaagaagt ttgcagagacc tgacatccag 60
 t 61

<210> 169

<211> 344

<212> DNA

10010742-13001

<213> Homo sapiens

<400> 169

```
acattggtgc tataaatata aatgctactt atgaagcatg aaattaagct tcttttttct 60
tcaagttttt tctcttgtct agcaatctgt taggcttctg aaccaagacc aaatgtttac 120
gttcctctgc tgcataccaa cgttactcca aacaataaaa aatctatcat ttctgctctg 180
tgctgaggaa tggaaaatga aacccccacc ccctgacccc taggactata cagtggaaac 240
tgttcattgc tgatgaatgc agcagtcacc aaaaaataca cccaatcttc cagataacct 300
cagtgcactt taggaaatca aaaattacct ggaagcaatt tagt 344
```

<210> 170

<211> 114

<212> DNA

<213> Homo sapiens

<400> 170

```
agcagtgtgt cctccatgaa taaacaggag ttctggaggc ccattctctg catcttctgc 60
tgattgttct tccccaattt tacttaaatc ccacacattc aggcggcggt cagt 114
```

<210> 171

<211> 150

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 79, 107

<223> n = A,T,C or G

<400> 171

```
actgagagca tttataatct gaccaaattc ataggcatta ttaggcttgg ctatcggaag 60
tttctcaggg tcttctggng aacctgtgct ttgtcctccc ttctcanaag caaggcatcc 120
catggagacc tcccctgcag ggcttcagg 150
```

<210> 172

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 406

<223> n = A,T,C or G

<400> 172

```
atttgttttc cactgcctca cactagttag ctgtgccaaag tagtagtgtg acacctgtgt 60
tgtcatttcc cacatcacgt aagagcttcc aaggaaagcc aaatcccaga tgagtctcag 120
agagggatca atatgtccat gattatcttc tggtttaggt ctacagtcaa tgtgatggtg 180
gtctttgctt ccagtcctgc cagaatatct ttgtgcttct ctaatcattg gctttaaagc 240
taatcaatgt gttggcagca tctctgtcac tcttgtttta cacgtgaaga aatcaggtag 300
atTTTTTTTc gtggcattgt tttcggacct aaaatcagggt atgctgacta tttccaaggg 360
gtttttcagt tgcttcattt gcttgtaaag cagggaatcc tcttgntgct tttctttttc 420
tcgatgagcc cgtgt 435
```

<210> 173
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5
 <223> n = A,T,C or G

<400> 173
 actgntttcc cccaagtcca tgacatgtat acataattaa tggtttgccct ccttgattgt 60
 tttctccaac atccagacat agaggctgac caacgctttt aatgtatcca gatataacag 120
 gattaaggctc tggcacatac acctctggat aaatgttggt cagataccat gtaaaatttt 180
 tacactgaag gcggtgtttt atttcaaatac tttttgaaag atcaccaaata gctttttgtt 240
 taacaatttt tgctgcatct gtatttctcc tataaaatat ttccttgat tcatccatcc 300
 agacttctgc aaggcgaact tggtttctag caatcacctg agtgcctttt ggaaagctat 360
 gagggctttt gctgcgaaaa acatgtccaa caacagagca aggcataatc tccaactgcc 420
 caccacattg ccatactctg aaagacattt ctatatattc acctccccag atttccattt 480
 cttcatcata gcttccaata tactcaaaat attcttttga tatggaaaaa agtcctcctg 540
 caaaagtggg tggtttaatt gggtaggggt catctttcct tctttgcttc tcatgatcag 600
 gaagcgactt ccaccaatg aa 622

<210> 174
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 174
 acggtgcagt tgaccactg ttggctctcc ttgcagttcc tgatatgtca tctttagcat 60
 gtggctactt acgtaatctt acctggacac tttctaattt ttgccgcaac aagaatcctg 120
 ccccccgat agatgctgtt gagcagattc ttcctacctt agttcagctc ctgcatcatg 180
 atgatccaga agtgtttagca gataacctgt gggctatttc ctaccttact gatgggtccaa 240
 atgaacgaat tggcatggtg gtgaaaacag gagttgtgcc ccaacttgtg aagcttctag 300
 gagcttctga attgccaatt gtgactcctg ccctaagagc catagggaat attgtcactg 360
 gt 362

<210> 175
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 7
 <223> n = A,T,C or G

<400> 175
 acagntnctc tactacactc agcctcttat gtgccaaagt tttctttaag caatgagaaa 60
 ttgctcatgt tcttcatctt ctcaaatac cagaggccga agaaaaacac tttggctgtg 120
 tctaaaactt gacacagtca atagaatgaa gaaaattaga gtagttatgt gattatttca 180
 gctcttgacc tgtccctctt ggtgacctct gagtctgaat ctcccaaaga gagaaaccaa 240
 tttctaagag gactggattg cagaagactc ggggacaaca tttgatccaa gatcttaaat 300
 gttatattga taaccatgct cagcaatgag ctattagatt cattttggga aatctccata 360

atttcaattt gtaaactttg ttaagacctg tctacattgt tatatgtgtg tgacttgagt 420
aatgttatca acgtttttgt aaatatattac tatgtttttc tattagctaa attccaacaa 480
ttttgt 486

<210> 176
<211> 461
<212> DNA
<213> Homo sapiens

<400> 176
accctggcca ctcccttctt tttggctggc caatgtctcc tctgtaggct ccagaaggct 60
ctcagggatg caggcggcct cctgcagggt tgagttgcaa tgggaacaaa gacagctgtg 120
gtcccatagc accctcatct ggtgacatcc tgctactgac agtcaaaaga agccttccca 180
gatgaaattt tagtcctctg cgcagccatg ctcttcttcc agcaaaagag ccatgtgcag 240
tcgggtctgc tccccatggg ggctttgatg tgggcccagc agtggatcag ccttccagac 300
acgctcaact ctgcacactc ttctgcccgc ctgaggtttt ccaggaccct cccgagcctt 360
atcagagtcc ttaccctcag ggctactgat accttgctgg gtgacctgg acagattcac 420
ttacctggac tcagtttcat aatatgaaaa tgatagggtt g 461

<210> 177
<211> 234
<212> DNA
<213> Homo sapiens

<400> 177
acacattttg taattacett ttttgttgtt ttgtagcaac catttgtaaa acattccaaa 60
taattccaca gtccctgaagc agcaatcgaa tccctttctc acttttgtaa ggtgactttt 120
caccttaatg catattcccc tctccataga ggagaggaaa aggtgtaggc ctgccttacc 180
gagagccaaa cagagcccag ggagactccg ctgtgggaaa cctcattgtt ctgt 234

<210> 178
<211> 657
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> 10, 38, 42, 56, 58, 71, 77, 109
<223> n = A,T,C or G

<400> 178
gagctcggan ccctagtaac ggccgccagg gtgctggnat gngcccttgc gagcgnngc 60
cccgggcagg nactttnatc cccctcatc ttctgtagc tcatttgtnt ctctcatttt 120
ttggcatatt tttcaagtca cacttaaaaa ctcttccatg tattcacttc tcatcacttg 180
gtctacatgc cgaacctaaag gtcaggatcc caaaaagatg agtatcctct caaacgcctc 240
ctaagcctct ggtatacatg actttggctg tgcaacttcat ttagacttca cctttttgtt 300
tgctgttgtt ttttacta gattcctttg tcttcattaa agataatgaa agattcacat 360
cacagtgcag ctcttcgctt tgtcctttcg taagtccgta gcaactgccg agagttctgg 420
tctgttaggc atgtgtgaaa tccgctttgt ggctctctgt gatttgttcc gcttaacgtt 480
tttatttgtc ttatttacac atgccaaagg ggcaacgtga aaaatgtctc tgacgtatt 540
ttccgactgt aaagctgagc attcgatata agtagctgct ccaatctgtt tggccatact 600
tgccccctgg tcataggaca ctggcgtctg cctgtgattg gagagctcta ctaatgt 657

<210> 179

<211> 182
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 7
 <223> n = A,T,C or G

<400> 179
 acaaaaanctt ttaaatttta tattattttg aaactttgct ttgggtttgt ggcaccctgg 60
 ccaccccatc tggctgtgac agcctctgca gtccgtgggc tggcagtttg ttgatctttt 120
 aagtttcctt ccctaccag tccccatttt ctggtaagggt ttctaggagg tctgttaggt 180
 gt 182

<210> 180
 <211> 525
 <212> DNA
 <213> Homo sapiens

<400> 180
 acacgctttt ggccccgacc aatgaggcct tgcagaagat ccctagttag actttgaacc 60
 gtatcctggg cgacccagaa gccctgagag acctgctgaa caaccacatc ttgaagtcag 120
 ctatgtgtgc tgaagccatc gttgcggggc tgtctgtaga gaccctggag ggcatgacac 180
 tggaggtggg ctgcagcggg gacatgctca ctatcaacgg gaaggcgatc atctccaata 240
 aagacatcct agccaccaac ggggtgatcc actacattga tgagctactc atcccagact 300
 cagccaagac actatttgaa ttggctgcag agtctgatgt gtccacagcc attgaccttt 360
 tcagacaagc cggcctcggc aatcatctct ctggaagtga gcggttgacc ctctggctc 420
 ccctgaattc tgtattcaaa gatggaacct ctccaattga tgcccatata aggaatttgc 480
 ttcggaacca cataattaaa gaccagctgg cctctaagta tctgt 525

<210> 181
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 181
 acaccacaat gtgcatcaag gagacgtgcc gattgattcc tgcagtcccg tccatttcca 60
 gagatctcag caagccactt accttcccag atggatgcac attgcctgca gggatcaccg 120
 tggttcttag tatttggggg ctccaccaca atcctgctgt ctggaaaaac ccaaaggtct 180
 ctgacccctt gaggttctct caggagaatt ctgatcagag acacccctat gcctacttac 240
 cattctcagc tggatcaagg aactgcattg ggcaggagtt tgccatgatt gagttaaaagg 300
 taaccattgc ctigattctg ctccacttca gagtgactcc agacccacc aggcccttta 360
 ctttcccca ccattttatc ctcaagccca agaatgggat gtatttgcac ctgaagaaac 420
 tctctgaatg ttagatctca ggggt 444

<210> 182
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 182
 acaaccttta ttgcttctcc agcattttcc agaagaatgg tgtcattaga gggccacagg 60
 ggatggggga gtaaaaaata acataaacga actgaacaga aatgcaggag ggtggcaaga 120

```
<210> 185
<211> 368
<212> DNA
<213> Homo sapiens
```

<220>
 <221> misc_feature
 <222> 3, 4, 6, 13, 41, 93, 145, 159, 160, 165, 243, 302, 313, 327,
 333, 350, 355
 <223> n = A,T,C or G

<400> 185
 ctnnanatag cangcttgta cgaccgacac aatacggcca ntgtgctgga ttcgcttcag 60
 cgccgcccgg gcagtaccgg cgctcatcta tcngatgatg gcgcaccaat gtgggggtttt 120
 aaccttttta tatggctggg gacanaaagc gcggttacnn aaccnataac gagctgatgg 180
 tcatttaaaa atgcttgggg ttttcccggt cttttgggga attgaaactg agtgggactt 240
 canaaactgt gctactttcg cttatctaag tactcggccg caacacctag ccgaatccgc 300
 anatatcatc acnctgggcg gcgtcancat gcntctaaag ggccaattcn cctanatgag 360
 tcttatac 368

<210> 186
 <211> 214
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 37, 38, 59, 90, 98, 105, 107, 113, 181, 183, 192
 <223> n = A,T,C or G

<400> 186
 ngggagatcg cagcttgtag gactcgatcat ataacgnnca atgtgctgga tgcgttcanc 60
 gccgcccggc gtctaactcg gttcggattn tgtgtgtntt gtctntntta canggtgcta 120
 tcccccttct cctcctcctc tgccatcctc atcctttatc tccttttttg acaagtgtca 180
 nancagacag angcagggtg gtggcaccgt tgaa 214

<210> 187
 <211> 630
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 39, 63, 70, 111, 116, 199, 205, 209, 268, 277, 442, 448,
 492, 511, 514, 520, 545, 546, 555, 596, 608, 611, 620
 <223> n = A,T,C or G

<400> 187
 cagctgggac gagtcgatca tatacggcgc atgtgttgna tgcctatcgt gtccggcgag 60
 tanttattan attactgtta tttctgctcc tactggatat gatctcttga nggcangtct 120
 gtgtcgtctg gtcacacat gttctcaggc tgggcaaata ccttcctata atagtttatg 180
 gataatgaat gacgactang tctanaaana cgctagctaa ataacacact cagggaagaa 240
 gtcttaaaata ttgtgaaggt gtttttanta tacaacnttt gtttacataa taggaaataa 300
 tttttagact tttaaacaga cacttgagcc agatttgta atgttaccat ctatagtgtc 360
 ttgaaaatat tcctcttagt ttccaatatg aatgaatcta aaatccatct tttcaattat 420
 gcccaggccc gtgggtcaatg cncctcnac acttcattaa cggattatac cttgggaaac 480
 cataatctgg cntaggacga atcgcttggc ncangetaan aactgcctg tattgagggg 540
 ttatnnetga ttgngagggt gcctctccag gtccccaaag gtcgtactg ttgaanctgg 600
 ctctaanttt ntcttgccctn acagggtctcc 630

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<210> 188
 <211> 441
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 3, 8, 12, 25, 31, 34, 43, 74, 76, 105, 106, 122, 158,
 204, 205, 224, 225, 230, 236, 260, 261, 270, 278, 288, 289,
 297, 335, 376, 388, 397, 398, 415, 427, 432, 438
 <223> n = A,T,C or G

<400> 188
 cnnngcaanac anggtcggat tccgntgagg naanaattcc ctnatagggc tcgcccccta 60
 ttcaccaaac caancngaaa ctcttgcggt caaatctaag ctatnncaca accccactct 120
 gnagggtatg cgccccgccc ctgcaatgaa atcaatanca tatttgagaga cagagagata 180
 gagagagaga ggttctctggc cttnnctatt ctgctcttac ttggnagatn tcaganatag 240
 aaaaacctat cctaggtccn nccaatgatn gcggcttncg aatcccgnng tggccantcc 300
 ccggatcgga ctaaatacaa gaagatcctc cgtctctctg ttcctccaca ctggagtccc 360
 attgtatgca tgggtntttc actggctnat cataccnnag gatctgtcca ccttnaactc 420
 ttctctngga antccctncc c 441

<210> 189
 <211> 637
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 24, 36, 45, 58, 113, 119, 147, 193, 196, 227, 330, 347,
 387, 447, 450, 458, 460, 487, 489, 502, 518, 526, 535, 538,
 546, 558, 560, 613, 622, 633
 <223> n = A,T,C or G

<400> 189
 agggngtata taccacttg tacnactcga tcatanacgc gcatntctga atcgcttinct 60
 ggccgcgatg tactgtgggc acttaagcac tgagtactgt ttgcgtcatg ccnggtcana 120
 agatgctgct gcaaaggagac tccaacnaaa tacactgtct tcaacaggag ttaacacctc 180
 acacttggtg ganaanagaa ctcaactggtg gtgatgcaca cgactgnatc catcaagtgc 240
 gtttgccctgt tgactgctaa ccaaggctct ggacagtaact gcccgggcgg cgctcgaaac 300
 caaatctgca aatatcatca caactggcggc cgctcagcat catctanaag gccatcgctt 360
 atagttagtc tatacatcat ggccgcnttt acactcctac tggaaaacct gcgtaccact 420
 taatcgcttc acacatcccc ttctgcngtn gcttatancn aaaagcccac gatgcctcca 480
 cattgcncnc tgatggcatg anccccctac gcgcatancc gcggtntgtg taccncangt 540
 accgtinctgc acgctaenon tcttcttctt cctcttcccc ttcccgttcc tcaccattcg 600
 gggccttagg tcnatatctc gnccacccaa atntagg 637

<210> 190
 <211> 653
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc feature
 <222> 29, 59, 112, 129, 134, 143, 157, 177, 180, 203, 247, 276,
 306, 315, 320, 327, 334, 337, 363, 421, 424, 514, 523, 543,
 571, 591, 593, 599, 610, 612, 618, 634, 637, 651, 652
 <223> n = A,T,C or G

<400> 190
 aggggggtata taccacttg tacgactgna tcatatacgc gcatgtctgg aatcgcttnc 60
 gtggctgcc tgtattgaca ctacttctaa gaactacaaa agtgatactg angatacatt 120
 acacagaang gctnacattc tncagatcc tcatttntca tgatatgtgg acatcangan 180
 cacgtggata agtgtatcta aanaatggct ttcaaaatat ttccacttta ttaagggttg 240
 acatganatt cataaaatgt cttaatacta tttctnaaaa taacatctaa tcggaaacta 300
 tgcctnaact gcacnttttn tgtgtanata atcntanttg tacgcccggc ggcgccaaag 360
 ccnaatctgc gattcctcac ctggcgccgc tcaacatcat cttaaaggcca atcgccctata 420
 ntantctata catcctggcc gcgtttacac gtctaattgg aaaccggcgt accacttatc 480
 gcttgacgca ctccccctcc cactgggtta tacnaaagcc gcncgatgcc tcccacattc 540
 canctgatgc aatgaccctt gtctgcctta ncccgcggtt tgtgtaccca ntnaccacnt 600
 cagcgctgcn cntcttcntt ctctcttctt gccnttncgt tccctcactc nng 653

<210> 191
 <211> 663
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> 2, 5, 21, 59, 104, 113, 234, 256, 259, 264, 284, 290, 364,
 418, 427, 433, 444, 456, 466, 525, 547, 553, 562, 564, 581,
 613, 617, 640, 644, 661
 <223> n = A,T,C or G

<400> 191
 angngtata taccactgt ncgactcgat catatacgcg catgtcggat cggtccanc 60
 gcgcggcat gtactatata tacatcaact gtattatcat ttanatattg atnaaagaca 120
 aaatcatact tccatctgct cactgatgat aattactatg atacatgatc atgtaaagct 180
 atcaatataa caatggaaga tccctctgac tatgcaagcc taattttcca atcncatgca 240
 ctctcatagc tcaaanatnt cacngacatc ctgatgaaac tatnatacan ttccacaca 300
 aatcacttcg ctttagatct ctccattatt ctgtcttttc cccctaaca actacaaatc 360
 ctcttgaggat gggaagaata tatatcatct actaaaata atatataatc ccctgcanat 420
 ttgtggnaaa tcnngtgtct caanagccac aggagnacaa gggggnacca actaggactt 480
 ttgtatgctt atctctgtac tcgcgcacac ctaagcgatt ctgcnattct ccctggcggc 540
 gtcacanctc tanaggccat cncnatatga tctatacatc ntggcgctt tacactctga 600
 cggaaccgg gtnccantta ccctggacca tcccttcgcn ctgntataca aagccccga 660
 ncc 663

<210> 192
 <211> 361
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> 2, 31, 45, 48, 57, 63, 84, 94, 108, 125, 143, 161, 162, 174,
 178, 184, 200, 201, 219, 228, 232, 239, 250, 258, 260, 262,

272, 281, 283, 291, 304, 316, 325, 329, 331, 339, 342, 347,
349, 353

<223> n = A,T,C or G

<400> 192

```
antttttata taccactgg tacaactcga nctatacgg cgcanttncg gaatcanctt 60
cancggcgcc ggcatgtacc ggtnatcatc atcngatgat ggcgctcnaa tgtgggtttt 120
acctnttata cggctgagat canatcgcg acataacaaa nncaactgat ggtnaatnta 180
aatncggttg ggttctcccn ntctgttggg gaacttgana ctgagtngga cntccatana 240
cgtgctattn tcggctancn antcctcagc gnacacctat ngnagtgcgc naattcatcc 300
atgntggcct cgactnttcc aaaangccnt ncgcccacnt gntcgcnana cantctcggc 360
c
```

<210> 193

<211> 314

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5, 7, 22, 101, 104, 232, 254, 282

<223> n = A,T,C or G

<400> 193

```
aggngngnata taccaactgg tncgactcga tcctatacgc gcatttcgga ttcgcttcaa 60
cggcgcgggc atgtacaaaa cctcaatccc aaccgtctca nttingacggg ctcagttctg 120
tcacagccac ccacatttc tttgttttg tctgccactt caaaagaatt ccaaataaga 180
attctgctgc agctccgtac aaggatatgg gcagcacagc acacacagag tngtgcctct 240
cacacttctc tggnaatgtc tcgtgaatat ctcaacagtc angaagtggg gcgttatcaa 300
aaacaatcag ggcc
```

<210> 194

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4, 6, 22, 51, 64, 96, 108, 134, 156, 220, 221, 223, 264,
273, 287, 302, 304, 314, 325, 336, 343, 358, 360, 361, 375,
390, 428, 430, 443, 444, 446, 456, 463, 468, 474, 492, 509,
522, 525, 530, 533, 540, 549, 550

<223> n = A,T,C or G

<400> 194

```
aggngngnata taccactgg tncgactcga tcctatacgc gcatttcgga ncgctatgtg 60
gtncgcgaag tacctcttct gcagtgatgg tctgtntcct ctatgatnag tgatcgaata 120
atcatcgaat tcancgaaag ttattcgagt gatantgtg gctttagtaa tctatgctcc 180
atggtgtggt cactgtcaag attaacacag aatggaagan ncngcactgc ataaaagatg 240
ttgtcaaat gggtgcgttg atcngatagc tntcccaag aggtcantgg tgttcaggat 300
tncnacataa gatnttggat cacngacga ccagangata ccngtgcaaa ctgtgaancn 360
ngtaatctgc ctatnctgc cctctcgga gatccctcgg ggacgacgag atcattcttg 420
aaacagcnan tgatagtcca gttnnangatt gatganacgac ganacgcntg atanatgtct 480
gacgtgagat tnggatgtga atcttccent gtgtgacctg cncctaccn aanggtgcgn 540
```

ctccactcnn

550

<210> 195
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 8, 34, 41, 50, 55, 56, 93, 99, 113, 123, 132, 143,
 183, 214, 237, 244, 245, 255, 272, 293, 299, 301, 312, 335,
 345, 346, 359, 363, 371, 379, 384, 387, 406, 412, 413, 420,
 422, 434, 441
 <223> n = A,T,C or G

<400> 195
 nngcgggnat gataccaact ggtacgaact cganctctat nacggcgctn tttcnngatc 60
 tgctatgtgg tctcggcaat gtacattata acngggcana catataatct acntctgtct 120
 ttntctcccc cngagagcgc aancatctcc aaatcgggtt ctgggtcatc caatgggtctc 180
 cantaatcac acaactcata tatatttatg gaangtgtct gtcacgtcc ccacgangga 240
 agtnncgtcg ctgtntgtct gtcactaggt gngtactctc cagtacttga aancctggtna 300
 nggctgtctg tngtactggc cggcgccctc gaaancgaat ctgtnnatat catcacatng 360
 cgncgcccga ncatcactna gggncanttc gcctatactg atcgtntgcg annccctgcgn 420
 cncttacacg tcgnacggga naccggcctt cc 452

<210> 196
 <211> 429
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 7, 8, 21, 52, 103, 109, 201, 205, 222, 238, 277, 370,
 400, 421
 <223> n = A,T,C or G

<400> 196
 gcgggnnnat gataccagct ngtagcactc gatcctataa cggcgcatgt gngtatcggc 60
 tacgtgtctc ggcgatgtac atataacggg gcaacatata atnatacant ctgtcttttt 120
 ctcccccgga aacggcaacc atctccaata tcggtctggg tctccaatgg tctccaacta 180
 aatcacacaa gtcaaatata nttanggaat gtgtctgtct cntccccaga aggagtancg 240
 ttagctgttg tctgtcatta gggttggtacc tccagtnaca tgaaaactgg tgaggggtgtc 300
 cttgtacaag ctctgcctca ccagatccta tactattagg gggccccacgg ttatctatct 360
 taagggtctn aaaacctgga ctcatctgc tccggcggan gaatgtcccg ctacttiacg 420
 ntgttccac 429

<210> 197
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 14, 32, 38, 53, 57, 83, 100, 103, 115, 116, 124, 141, 145,

170, 192, 195, 207, 237, 300, 318, 326, 354, 361, 369, 377,
409, 411, 416, 452, 461
<223> n = A,T,C or G

<400> 197

```
atgatacgca gctngtacga gccgtcacta tnaaggcnca ttgtgtggat tcnctntga 60
tcggcgcccg ggcattgtcca tcnagagcgc atcatgggan tgnactcccc atattntgac 120
caangttcgc gcaaggagcc naganccgat actacctgag ctgtcgtctn gttatacacg 180
tttctggcca angancaact ccacatncaa caagttgggtg ttgaaatgtt gtttatnagt 240
ccaccaaccg gccgctctgt cccctcccga tgatccgaag ataagcttcc tgtccggaan 300
acgaacggcg tgggtgtngg acatantgat atgtgcgggt caggaagtac tcgnocgaac 360
ncgcaagcna atctgcnata tcatcacctg gcggcgctcg agctgccana ngcccnttcg 420
cctatatgag tctatacatt cctggccgtc tnttacactc ngacgggaaa c 471
```

<210> 198

<211> 643

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2, 5, 38, 55, 62, 98, 112, 125, 259, 295, 414, 436, 437,
462, 521, 563, 574, 575, 587, 601

<223> n = A,T,C or G

<400> 198

```
tngtncgacc gtcactatac gcccatgtgt ggatccgntc cacggcgccg ggcangtacg 60
anactatatt gatcctctga tattgaaagt ttgtctanca ataaccttta angcaaatca 120
ctcantgagt ttgaccaga agtcaccaca tcatgaatca cagtctatgg caaatgatac 180
cagtgtctct aagtcctatg ctcaaggtaa gagcatgcta ttccgtttta catttactgg 240
aatttactgt tcattcatna ttaaaatctc tagttttcat cctcaactgt ctaanaccag 300
tgtgcacaga cttaagactc tgttctcctc attttctcca acagaaacat tctcagtgtc 360
tactgttcta aaagggaatt tccgaggtgg cacttctcgg aatatcgacc ctenggetct 420
atcaggcggt acttcnngca ctgcgtcattt gggcttggtc anttgtctta tctgtccagt 480
cacttcattt taagaaaaca attgatcgct ggatcacatgt nattcattgg cagccgggtg 540
gactgctgag tctcgcgcac acnctagcaa tcgnnattct ccatggngcg tcaactctta 600
naggccatcc cctatatgat ctataatctg gcgtctttac act 643
```

<210> 199

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 6, 21, 39, 59, 87, 129, 165, 186, 223, 225, 231, 256,
257, 261, 268, 272, 279, 287

<223> n = A,T,C or G

<400> 199

```
ncggcnggag ttgcagttg nacgaccgat cctatacgnc gcattttctga tccgctacnt 60
gtccggcgag tctatgctat ttatttntga ttaaatcaat attttcttct tgaatattaa 120
tcttatctnt actttttatac tattgacctg gctatatgta ttganctttt tgaactccta 180
tcagtntttt tcatgctatc gtatattttc cacttggtac ctntngctga ntccatagata 240
```

tcgtaaaaca tctctnnatc ntcacacnga gnccagggnt ctgtatngaa tt 292

<210> 200
 <211> 275
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 24, 67, 75, 96, 135, 155, 162, 166, 173, 181, 192, 197, 204,
 225, 230, 244, 245, 254
 <223> n = A,T,C or G

<400> 200
 atacgcaagc ttggtaccga gctnggatcc ctattaaccg gccgcaatat tctggaattc 60
 tgcttancgt ggtcncggcc gaagtactat gctatnttac ttttttgga tataaaatca 120
 atatatctt tctnaagta tataaatctt atcncgtat cnttcnatac ctntctgaca 180
 ntaagcttat angtatntga tctntgttga actcctatca agtgntttcn catgctatcg 240
 tganntcttc cacnttgga ccttttacgc tgaat 275

<210> 201
 <211> 284
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 4, 5, 16, 23, 94, 116, 121, 135, 141, 168, 171, 173, 185,
 196, 200, 212, 223, 224, 238, 239, 269, 271
 <223> n = A,T,C or G

<400> 201
 cgnnnatcca gtgtanaccg tcnttaacg cttctgacg gttcacgccc gcgtctttat 60
 atctatctcg actgattcac ctgtcattgt aaanaattcg tgtcagctgt ctaccnctta 120
 nacatcatct aatcnaacta nccgtataaa tttcttcaat agggatanac ntntagtaca 180
 tacgnttcca ttgagntacn tccgcggacc cncatcgcaa acnncatgcg gtcagtcnna 240
 gcacctctta tcttaatccg tccttacnt ntgaacgctc cact 284

<210> 202
 <211> 448
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 93, 117, 124, 143, 144, 153, 172, 175, 186, 197, 203, 207,
 212, 258, 266, 269, 272, 280, 284, 287, 294, 299, 301, 309,
 311, 314, 345, 347, 358, 367, 369, 372, 378, 386, 388, 390,
 402, 415, 416, 432, 437, 439, 446
 <223> n = A,T,C or G

<400> 202
 atgatacgca agcttgtacg actcggatca tataacggcc gcaatgtgct ggaattccgc 60
 ttcgacggac gccgggcatg tacttttata atnctactcc tcagaccttg catctcnacc 120

```

gctnggtcca gtttgtaaaa acnnacttcc gtngtgcagc cctgggttctg ancantctct 180
atcacnctct atcctcncat ccncaanact anatcgcggtg aattcatatt tattcatttt 240
ccataatgat gggggaanga ctatcnctna tnatgcttan cacnctngct gcanttcgnc 300
natctcgca ngcntgaaac gattactctg tcgcgaaccc tctangntga attctgcnaa 360
atatctntna cnetggcngg cgctcnangn atgcctctcg anggccaatc cgccnngcat 420
gattctaatt anatecntng gtcccntt 448

```

```

<210> 203
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 7, 18, 29, 48, 52, 71, 88, 91, 104, 109, 131, 143, 196, 201,
213, 248, 254, 261, 287, 291, 298, 303
<223> n = A,T,C or G

```

```

<400> 203
gggtgcnaga tcgcagtngt acgaatcgnt catatacggc gcatgtgntg antcgctacg 60
tgtccggcga ngtaaccatat aatcgaanta ncatagttct ggangccnc tcattttcaa 120
tttcccaaaa nacgggaaaa ccnaagcctt atttaactaa ctatctgctc gcttctcgct 180
tctgtaccgc gctatntgct nccagcctat aanaagggtg aaacccacac tcgggtgcgc 240
agtctccnat atantgagtc nccgggtact ggccgggcgg tcgttcnaaa ncaattcncg 300
aanttacta ctggcggcgc c 321

```

```

<210> 204
<211> 369
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 5, 119, 137, 287, 289, 290, 326, 348, 355
<223> n = A,T,C or G

```

```

<400> 204
ntgtngtatg taccagtggt tacgactcga tctagtagtg gcgcagtggt ctgaatcggt 60
acttgctcgc gccaaagtatc tataaagcaa actatcacag ttctgaaagt ccatctcant 120
ttcagttccc aaaagancgg gaaaacccaa gccttattaa actaacaatc agtcgctctc 180
gcttctgtac cgcgcttttg gccccagcc tataaaaggg taaaaccac actcgggtgcg 240
ccagtcacgc ataactgaat cgcccggtac tgcccgggcg gcgctcnann ccaaattctgc 300
agatatcaca cactggcggc gctcancatg ctctagaagg ccaattcncc tatantgatt 360
ctattacaa 369

```

```

<210> 205
<211> 2996
<212> DNA
<213> Homo sapiens

```

```

<400> 205
cagccaccgg agtggatgcc atctgcaccc accgccctga cccacaggc cctgggctgg 60
acagagagca gctgtatttg gagctgagcc agctgaccca cagcatcact gagctgggcc 120
cctacaccct ggacagggac agtctctatg tcaatggttt cacacagcgg agctctgtgc 180

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<212> PRT
<213> Homo sapiens

<400> 206

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 Ala Pro Gly Ser Ser Thr Pro Arg Arg Gly Ser Phe Arg Ala Trp Ser
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 Leu Phe Lys Ser Thr Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu
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 Thr Leu Leu Arg Pro Glu Lys Asp Gly Thr Ala Thr Gly Val Asp Ala
 100 105 110
 Ile Cys Thr His His Pro Asp Pro Lys Ser Pro Arg Leu Asp Arg Glu
 115 120 125
 Gln Leu Tyr Trp Glu Leu Ser Gln Leu Thr His Asn Ile Thr Glu Leu
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 Gly Pro Tyr Ala Leu Asp Asn Asp Ser Leu Phe Val Asn Gly Phe Thr
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 His Arg Ser Ser Val Ser Thr Thr Ser Thr Pro Gly Thr Pro Thr Val
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 Tyr Leu Gly Ala Ser Lys Thr Pro Ala Ser Ile Phe Gly Pro Ser Ala
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 225 230 235 240
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 Pro Asp Pro Thr Gly Pro Gly Leu Asp Arg Glu Gln Leu Tyr Leu Glu
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Cys 660	Leu 660	Val 660	Thr 660	Asn 660	Leu 660	Thr 660	Met 665	Asp 665	Ser 665	Val 665	Leu 665	Val 670	Thr 670	Val 670	Lys 670
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Thr 740	Asn 740	Leu 740	Pro 740	Tyr 740	Ser 740	Gln 740	Asp 745	Lys 745	Ala 745	Gln 745	Pro 745	Gly 745	Thr 745	Thr 745	Asn 745
Tyr 755	Gln 755	Arg 755	Asn 755	Lys 755	Arg 755	Asn 755	Ile 760	Glu 760	Asp 760	Ala 760	Leu 760	Asn 765	Gln 765	Leu 765	Phe 765
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 Val Leu Val Thr Thr Arg Arg Arg Lys Lys Glu Gly Glu Tyr Asn Val
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 <212> PRT
 <213> Homo sapiens

<400> 208

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Gly	Arg	His	Ser	Ile	Thr	Val	Thr	Thr	Val	Ala	Ser	Ala	Gly	Asn	Ile	35	40	45	
Gly	Glu	Asp	Gly	Ile	Leu	Ser	Cys	Thr	Phe	Glu	Pro	Asp	Ile	Lys	Leu	50	55	60	
Ser	Asp	Ile	Val	Ile	Gln	Trp	Leu	Lys	Glu	Gly	Val	Leu	Gly	Leu	Val	65	70	75	80
His	Glu	Phe	Lys	Glu	Gly	Lys	Asp	Glu	Leu	Ser	Glu	Gln	Asp	Glu	Met	85	90	95	
Phe	Arg	Gly	Arg	Thr	Ala	Val	Phe	Ala	Asp	Gln	Val	Ile	Val	Gly	Asn	100	105	110	
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Lys	Cys	Tyr	Ile	Ile	Thr	Ser	Lys	Gly	Lys	Gly	Asn	Ala	Asn	Leu	Glu	130	135	140	
Tyr	Lys	Thr	Gly	Ala	Phe	Ser	Met	Pro	Glu	Val	Asn	Val	Asp	Tyr	Asn	145	150	155	160
Ala	Ser	Ser	Glu	Thr	Leu	Arg	Cys	Glu	Ala	Pro	Arg	Trp	Phe	Pro	Gln	165	170	175	
Pro	Thr	Val	Val	Trp	Ala	Ser	Gln	Val	Asp	Gln	Gly	Ala	Asn	Phe	Ser	180	185	190	
Glu	Val	Ser	Asn	Thr	Ser	Phe	Glu	Leu	Asn	Ser	Glu	Asn	Val	Thr	Met	195	200	205	
Lys	Val	Val	Ser	Val	Leu	Tyr	Asn	Val	Thr	Ile	Asn	Asn	Thr	Tyr	Ser	210	215	220	
Cys	Met	Ile	Glu	Asn	Asp	Ile	Ala	Lys	Ala	Thr	Gly	Asp	Ile	Lys	Val	225	230	235	240
Thr	Glu	Ser	Glu	Ile	Lys	Arg	Arg	Ser	His	Leu	Gln	Leu	Leu	Asn	Ser	245	250	255	
Lys	Ala	Ser	Leu	Cys	Val	Ser	Ser	Phe	Ala	Ile	Ser	Trp	Ala	Leu		260	265	270	
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<210> 209
 <211> 309
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<213> Homo sapiens

<400> 209

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 Thr Val Thr Thr Val Ala Ser Ala Gly Asn Ile Gly Glu Asp Gly Ile
 65 70 75 80
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 Gln Trp Leu Lys Glu Gly Val Leu Gly Leu Val His Glu Phe Lys Glu
 100 105 110
 Gly Lys Asp Glu Leu Ser Glu Gln Asp Glu Met Phe Arg Gly Arg Thr
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 Ala Val Phe Ala Asp Gln Val Ile Val Gly Asn Ala Ser Leu Arg Leu
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 Leu Arg Cys Glu Ala Pro Arg Trp Phe Pro Gln Pro Thr Val Val Trp
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 Ser Phe Glu Leu Asn Ser Glu Asn Val Thr Met Lys Val Val Ser Val
 225 230 235 240
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 260 265 270
 Lys Arg Arg Ser His Leu Gln Leu Leu Asn Ser Lys Ala Ser Leu Cys
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<211> 742

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 210

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<223> n = A,T,C or G

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gaatcaggaa gactcagtct ctcatthaaga aaantgctat aggggatggg ggcaaggcct 600
tcaaagtngc aggggatacc aataacctct ctgaagtttt ggaacttcat actccaaaat 660
ngaatttttg tttgaatagc cccggttagg ggccaatttt aggacttaga aaggacccong 720
gnaaatcatt cccncttgc cccccccgaa agaaattaat agaaggggtt tattcccgcc 780
attannaaaa aaggaatcca ggaattnccg nttttttcca gtgttangnt ggggntgtan 840
aaactgaggg cttagcaagg gcggnattaa ccaccnngg tcccacccca aaantggngn 900
gggtgggccc caaattcggg nttnttncct ttaangcgtt aaaccc 946
```

<210> 212

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 67, 278, 281, 287, 401, 462, 483, 486, 532, 542, 547, 562,

563, 585, 593

<223> n = A,T,C or G

<400> 212

```
ggcacgaggt ttctggctgg agcctcggac actggctcac tgcagttggt ggtgtcgaca 60
gtggtangag ggcaaccagt aacgggagct tctcctgcc aaggaggaaga cgagtagaag 120
ggagcggcat gctggaggct ggagcctgag cccctggggc tcgccttgct gtgtttggtg 180
gtgacgtggg aactgcagc tcggccagag tggtaaaaaa tgccttggtg tacgcttttc 240
tggctttgcc cgtctatctg ctccaagcca ggctgganga ngagganaag gaatcacctg 300
tggtagcgtg gagcctgcat gtggcgtgac tctgcaactc gcctcgtgtg actgatggca 360
gccacggaga ctgcagctcg acagggagtg aggcttctca ntggcttgaa agctcagctg 420
actcccacga aatttgccgg aaactcaagg ctgtcagtga cnttcgtggc gccaaagactt 480
aancangcgc gttgcatgca tccggccagt gtctgtgcc cgtgccctga cncacacctg 540
anataancac ccggaacgcg cnnccgcgag gccgcgcgca cacgnccggg cancaacttg 600
gctggcttcc                                     610
```

<210> 213

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5

<223> n = A,T,C or G

<400> 213

```
ccganagcgg tttaaacggg cccctctagac tcgagcggcc gccctttttt tttttttttg 60
aaataaattt ctgattattt tattacataa gcagaccact gaaacattta ttcaaaagta 120
ttccattgag agtcaaaaac atattgatat gattattatt ggtctgttaa agaaaacaaa 180
ataaaaagaa caaactggga attatcaata aacaaatcaa aacttagatg taattataac 240
ctaaagggct cacagggcaa atgtgaagca agcttctgtc tcagagcctg catatggaag 300
acatgtagta cttagctttg gcatctttct ttccctctct tggttgagtt taagtattaa 360
taaaaggtgg actgagaaaa ccttttttta caatcttatg ggggtatttt agtggaaaacg 420
ttttagaagt aggaatat                                     438
```

<210> 214

<211> 906

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 302, 324, 432, 444, 461, 498, 528, 561, 585, 617, 645, 660, 669, 699, 701, 760, 781, 824, 835, 849, 863, 872, 875, 881, 888, 893

<223> n = A,T,C or G

<400> 214

```
gccctctaga tcgngcggcc gccctttttt tttttttttt gaaataaatt tctagattat 60
ttattacata agcagaccac tgaacattt attcaaaagt attccattga gagtcaaaaa 120
catattgata tgattattat tggctctgta aagaaaacaa aataaaaaaga acaaactggg 180
aattatcaat aaacaaatca aaacttagat gtaattataa cctaaagggc tcacagggca 240
aatgtgaagc aagcttctgt ctgagagcct gcatatggaa gacatgtagt acttagcttt 300
```

```
<210> 215
<211> 312
<212> DNA
<213> Homo sapiens
```

<400>	215						
ggcacgagga	aaccaggttg	gctgggtttt	gggtgtaaac	ttaaaaatga	caatcagcat	60	
gagctggccg	tgggctgtgg	gggttgtagg	ggcatcttgg	taagggaacc	ctcgctcagt	120	
ccctctctgt	tctgggtggg	aggacaagga	gggccaatag	gggccaatag	ggaggctgct	180	
gctaggangg	tttctataaa	gaacaggtgt	agggctaggg	ctggttctta	gttcaggttg	240	
ctctgggcag	tgatttatat	ccacacacct	ttctgcaaag	tgtcctaagg	aganggcagg	300	
gataggagtg	tc					312	

```
<220>
<221> misc_feature
<222> 8, 14, 30, 40, 45, 51, 69, 84, 91, 95, 112, 115, 117, 136,
142, 145, 176, 189, 191, 226, 227, 231, 236, 294, 314, 331,
332, 340
<223> n = A,T,C or G
```

```
<210> 217
<211> 273
<212> DNA
<213> Homo sapiens
```

<220>

<221> misc_feature

<222> 1, 2, 8, 15, 18, 36, 41, 59, 60, 70, 77, 81, 91, 96, 97,
101, 110, 123, 149, 173, 174, 176, 191, 195, 202, 218, 227,
228, 232, 241, 244, 253, 262, 269

<223> n = A,T,C or G

<400> 217

```
nnccttcncc ccttnacnga catgaacaaa acagcngtct ngaaatttta ttaacattnn 60
aagggttaacn ctccctnctt ntgttttccg ntaaannta nacctgcgcg ggggcggcgcg 120
atncagccct atagtggagaa gcctaattnc agcacactgg cggccgttac tanngnatcc 180
cgactcggta ncaanttttg gngtaaagat ggacatanct ctatccnnga gnactcgtca 240
nccntttctct atnttacatg cnctaacgna gac 273
```

<210> 218

<211> 687

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 56, 59, 74, 123, 138, 169, 177, 183, 187, 205, 227, 229,
237, 238, 245, 253, 329, 334, 372, 456, 474, 480, 516, 558,
563, 564, 584, 593, 599, 611, 636, 639, 670

<223> n = A,T,C or G

<400> 218

```
ttttcagtg tggtttgttc tcaattttga tgtcaaaatc tctgggttct tctaancctng 60
ttatgttctt ccancaaata ctccagttt ttgtaatttt tttctatatc agaagcgct 120
gancccaatg cccaattnat acaccggtct tctccggaac gcttggtcna aagggtntag 180
tcnattinggc tcttggaagc atctnaaatg ctccaggtta ctcccangnc cctggannac 240
ttcanttgtc tanacgaatc ctggttttcg agcgggtcctt gatatcgcaa ggaaatacgg 300
taaaaattat ccaagctctc ttcccactna gganttcgga tctcatcagc cgggtaaaagg 360
aaaactcctc angaagtttg ggcttcccct ccgggtctacc ggctaattgtt aggaattact 420
tctggctctc ttccgataca tctctctctc aaagtnaaga aggttaaaaag aatnttaacn 480
tctcccagtg gctaattggtc aaacaccatc ctcatnagtc agactggggt ttcgaaagga 540
ggatataacc tccttgcnag tttnaattaa aagggattaa ccanatggac tancctcnc 600
cccgggattt nctctctcac aggagaaggg gtctcncnc ttgggtcatc cgaagcatag 660
gcaaaccnccn gggaattttc agaaacc 687
```

<210> 219

<211> 247

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10, 16, 54, 74, 89, 91, 118, 122, 130, 131, 138, 147, 154,
156, 163, 184, 185, 215, 233, 241

<223> n = A,T,C or G

<400> 219

```
gggcccttcn cttttnaatc gagagatcca aggttcaagg catgaaatac cagnctataa 60
```



```

aatgtctcaa gacntaaata atacggatng ngatagagag gttgaataat aaatgaanaa 120
anatgaaagn nattetgngg gaatacnaaa aaancngact aanggcggca ctgctgggca 180
tggnnaaatc ggattaattc ctcataggac agcnaaccc cttaaaatct cantttccgt 240
naccgca 247

```

```

<210> 220
<211> 937
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 73, 867
<223> n = A,T,C or G

```

```

<400> 220
cgggctcgag tgcggccgca agcttttttt actatagacc aatattaaag tcagttaagt 60
tccaaataca ganttggaaa actaaagtaa aatatttaaat gggagaatat ctgcatctga 120
atatgtcaac tgtttgctat ttttcagcta ttaatacctt ctacctgtat ctcaaaaaca 180
aatttaaaaa ttaatagatt tgacagcaaa atcattcagc actttactta ctccatcagc 240
aagggtattta tgtagtcatt tccatccatg tggccaaact gaaaatccct aaccaccacc 300
aaccaaaaat aaataaataa aaggagaggg ggtgggggga gagagagaga gaaagctcat 360
taaataagtaa aaaagtaaat aaaacaatga agttaaatc aggcctcagt aggccagaa 420
actgtaaaca ttccacatgt aaatcatata caataaacac tgctaaaagt gtaaatctta 480
ctggcttctg agatacaaat acacgagtag aggaaattct aagacatttc tacttggttt 540
atgcatattt aaaattcagg gaaatatcag ctattctacc tgaaatatgt ttaagaaaaa 600
ttcctatttt ctctaaaaaa aggaataatc agaagacgct acatactatg taagaaaact 660
atacaatgac ccatcattag aagattcaga ataggaaaga aataataatt cactaataaa 720
atatatttat attgactgtc tttttttatg atagcaacaa tgattcagca taaagtaaaa 780
atatatgtat ttccgatgcc attttttatt cagttattct tttgagtttc tgtagaata 840
attatctgcc tatctctgac ttctgancag tcatttatgt ccaattataa gtacatgtgc 900
atattttatt accttaaacy cctctcaaat cctttca 937

```

```

<210> 221
<211> 353
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 7, 8, 9, 12, 13, 16, 20, 24, 27, 29, 30, 45, 50, 88, 126,
269, 287, 293, 309, 310, 311, 312, 320, 328, 329, 335
<223> n = A,T,C or G

```

```

<400> 221
ggctatnna tnnntntaan atcntgncnn ccttgacgct gttantaaan aaaaacaaac 60
gaatatcctt tttttgctcc cccctgtnc a gatactaact tcacactaat acttacagta 120
taactnttcc tttcaactac caatattaag ttccaagcca cctgggctta agtatcccaa 180
caacttaggt aatttggtgc taaccacat actatatgct aattataaca ctctaagccc 240
caaggaattt ttgttcagat ttcttatant ttccacttat aaatatnatt ccncctctat 300
gggtatatnn nncctctagn cccatatnnc ccacngggat ttgttgaggg ggc 353

```

```

<210> 222
<211> 813

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 638, 661, 664, 694, 709, 717, 722, 726, 743, 750, 752, 759,
760, 766, 784, 790, 799, 800
<223> n = A,T,C or G

<400> 222
ggcacgaggc tttaactaagg ccagactcac tatccccgct tctgtttctgt ggtacactgt 60
tcactcctca gtccatccta acctgacttc ctggccactg cagctcttcc gataaggggc 120
agcagtggct tagttattgc taaataataa gcgcacatgc actccctctt tcctgaaaca 180
ttgtccctcc ttggttttctg ttcccttcta ggtctcttat cactcctcct tagtcttctg 240
tgcggaacttc tgttccttct gccctttaaa agttgggtatt ttccaggatt ctgtcctagg 300
cccacttact tctcattctg cacgttcttg ttggatgatt ctatcacatc cctaacttct 360
gctgcccagt atgcacttaa aattcccaaa tctgtatatc tggatctggc ctgtgtctct 420
agcctagaag tgtgctttat ccagaagca cctcaaacac tgcactttgg aaattaagct 480
tactgagtct cgagtctcaa gtcccaaaact gacttctttt tctctatttt ggtagtgac 540
aacactatct attcagtcac gcaaaccaga gccctgagaa ccattctaca ttctctttct 600
ccctttactc agttcttgct tctgttcttt ctctctccnc tctctgcct gtgggcctag 660
nggncattaa ctgggtggca ctgctttact ttcnattttt ttggctganc taaccnnaag 720
ancctnttgt aggggccttt ctntcaggcn tnaattctnn caagancccc cgaaaccaga 780
tcnnggggan tgctatggnn tggaaatatt ttg 813

<210> 223
<211> 882
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 753, 781, 810, 829, 835, 861, 863, 871, 875, 880, 882
<223> n = A,T,C or G

<400> 223
tcacactact gagaagcagg gaaacccact gaaagggcac gtttcttaac ctcagaatgg 60
ggctactagc ctctaaagca ggaattgcgt tttgtttagt atttccatgg tctgctgcaa 120
ggcgtggcct ttacccaatg gataaatgcg tacaaggctc ttgtgagcag tcaagtttct 180
cgagggtttac agttgaaggg aagtgggatt gttttcctgc gcattttaa gaaggtaggt 240
gggtgatcac ctttccttaa atgtgtgaag ggatgagata aagagatagg catcttaatt 300
gccactgatg gccttcagggt gaggacaggc atgagccaac tgaagctttg acaattgtgc 360
tgaacccaaa acttcaaaaa caagaaaaaa catagactgg ctgaaatgat ctaagtcaac 420
agagcatggc cagcgcttca tacaaggcag gaccacaggg gaacactgac agcccaggag 480
gactgagac agaggcagt ggaagaagt acagacccca gggactcccc accaacagca 540
gctgctgttg attaggaacc ccagtagac tgtcaggcac ctggtagtgg agaggctacc 600
aaggcccga ctggagagga gccaaaggaa gaaacagtgc agtgcttaga cccctctggg 660
tctgccgtg tccatacccc tagggagatt ccattccaga agtggacata ttcccacaga 720
gtgcctgggg ctactcatc acagctgccc ctncatgaag gcattctcac tgcagcctta 780
ncagggaaca gggtcatttg cattagacan cttgctgtcc tagaaggcnt cggngtccc 840
tacactgccc atgttcccaa ngnggttcaa nctcnaaaan tn 882

<210> 224
<211> 660

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 77, 104, 116, 157, 169, 198, 253, 273, 325, 327, 330, 336,
350, 357, 361, 400, 434, 443, 478, 511, 555, 582, 596, 613,
622, 641, 651, 660
<223> n = A,T,C or G

<400> 224
gattaaactc aatcattcac ccgggctcga gtgcggccgc aagctttttt tttttttttt 60
tttttttttt ttttggncct ctgggcttgt gcccgggaagg ggantgctgg gccacntggg 120
tgtccgtgtt tgattttctg ggacctgccc ccccgtnntcc cgccccggnt gccgcgtctc 180
actccccgcc gcggtgcnag gggccccgtg tgccgcgcac ccttccaccc gtgttttgct 240
gtttttttga ctntgggcgt ccaggggtg cancgccgt gggggccctgg tttgctttca 300
cctcttcac tgcctactgg ccgnantgn gtcttnttca aacaaacgtn tgaaggncaa 360
nccctgggct cctgtgaacc cgccgtctt tgcggcaaan tctgaggctc cttcgttatt 420
ctggatccgg cctntggtcg gangcgtgct ctgcaggcac tgcctccatt gctggcancc 480
ttttctcccc gtggccgccc ggccgccc atnaaaggcgtt gcaaacgccc gccctcgcca 540
gcgcaaagtc aaacnccggt ggcccgcgga ccccccggcg gncgggaaca cccancagg 600
cgggcaccac aanaagcgcg gncctccggc gtctaaaact nccatgtggc ncccccccg 660

<210> 225
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 62, 171, 179, 192, 209, 278, 287, 292, 362
<223> n = A,T,C or G

<400> 225
aaaaaaaag gaaaagtacc cagtgtcttc agcttctgag cctcctctac agccctgttg 60
gnttttaaac ctgtgccctg tgtctgtgtc cccacttaat atatatagta cacagctgga 120
gagatggctc agccaggaga gggaccata ggtctgtgaa ttccagagga naggcaggna 180
tttatagggtg gntctgtcag gtgaaatcng aggagccaaa gctattgtat gtgcatatgt 240
cagccgggct ctgtgggagg tgggtgaaga cctatggnat gggacangtg tncacgctgg 300
gatctctggc cggttccgaa aagtgaggat caggtagtgg gtggctgatt gcacaagttt 360
anaaccagg attagggaca cacaggtcag cacctgcttc tcagcatcct gactgggtgt 420
gatgggcata ctcaaggc 438

<210> 226
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 416, 422, 451, 466, 470, 479
<223> n = A,T,C or G

<400> 226

```

aaaaattaaaa ccaaaaggat cttagaggtc ctttacttca gtggtttctca atgtcagagg 60
atgttatgat acctaataca aatctccagg ggaactgttt tgaactcaac agactctctc 120
ctgttctgag agactctggc aaagttggga gagctgccag gtactgtcca catgaccctg 180
actgcccattg attcaattac cttgaatggc ttatccagtc caataccttc atttcttaca 240
tgaggaaact gaagcacgta tcacatagtg atacaatgaa aacttggcct taatcgattt 300
tcagtgtctg cagtacaatg tcttgagcat atcaatttct tccaaccctt gacaacataa 360
ggtacgacca tcaaattttt tatttctgct aatttattag accaaaaaaa aagggnatct 420
cncccattgt ttacagggg tgattttatt ncagaggatt tcactntggn gctgattcnt 480

```

<210> 227

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 312, 395

<223> n = A,T,C or G

<400> 227

```

cattgtgttg ggctctgctt agcacatcac atcggagcac agaggtgacc tgttctgcc 60
cagggatgtt caccttagtc acctgattga ttccctcttca ctttggtcac gtgattcctc 120
caggaggatg ttacaccttg tcgcctgatt cctccaggag gatgttcacc ttggctgcct 180
gaccacacag gcatctatca ggctttctca ctgcagccac tatgtcccca taatggatga 240
gtgtcttctg gagagatagt ccaaatagaca ctgatacctt ttgcctcata cggcctcacc 300
ccccacaat cnaccactaa tgactgcctc atagcagttt ttccatttcc acagttcctt 360
ctatatgtat taattgtcat tctactataa agaanaacttt ttctttttaa aaaaaaaaaa 420
aag 423

```

<210> 228

<211> 249

<212> DNA

<213> Homo sapiens

<400> 228

```

cattgtgttg ggctgtagta aaatatgtgt ctggtgaagat atgtgaagaa ataaaataag 60
atcaattaaa tctggcccat tgaatgacac attaattgta tattaatatg taatgtttaa 120
gatattagga gatggtggga cattatggca aactaaattt gggaggagggt tgaattgtat 180
aatttatgaa atoctaaagt ctagtacatt aacactctct actgtcaact tttcaaagca 240
gtgagaaac 249

```

<210> 229

<211> 436

<212> DNA

<213> Homo sapiens

<400> 229

```

cattgtgttg ggatgttata tgaccatcac aatatgattt ataatatgga ggcatgaagt 60
catttctcat tggggcagga gtgtggcaag ggggaagaag agctttacca attaaactcaa 120
gattatttgg tgacatttct cttacctttt aggtgaggag aaagagacag aggatggaga 180
attggtgctt ttagtatgct gatacattaa gctgcctgga agcagatgct aaatcctatt 240
gaaaataatt ttatttgcgt ttgcttagg gcattgttta gcaaaatact acacaaaaag 300

```

```
tcttgacctg tgtgtttgaa atggcagatg ttcacagtga ggactgagcc ttggggcaac 360
atcaatcttc acaattctgc acctatttgc tcaataactg gcttggttgg aaaaaaaggg 420
aaaaaaaaaa aaaaag 436
```

```
<210> 230
<211> 760
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> 13, 14, 27, 66, 105, 194, 227, 239, 520, 537, 563, 597, 604,
646, 675, 686, 704, 716, 751
<223> n = A,T,C or G
```

```
<400> 230
cattgtgttg ggnngtggaa ggaaaanttt gaggcaatga agctaaacat aaaagaggaa 60
aagcanatgt tacctcaatg accacaatct acaaagtcca aatanaaaac ctgggagtat 120
gataggatga aactataacc tccagcaaag agcttaacag caattaaaat aaagacaaat 180
ttctgggatg gatnagacaa agtagcatat attacaaagg aaaatanact agtatcatnt 240
acgtttgatt aagtaactgc tticaaataa ttgaatcata aacaatgatt tctgcggttt 300
taagctcatt attttggttc cctggtttct cctaggatgc agtatagaat ctccatgcct 360
gatgtttatg taccaacaga agctgctgct tctttctttc attatttcct ttttaagtga 420
aagttaatac cttttatatg ttacagagaa gaggcagaaa aagccacact ccactatgc 480
tattaaatgc cctgaggatc aactgaggga tgattatacn catggctgaa tacagtntat 540
tcatttgttt ctttggtatt tanataacaa aaggtggtat tctgtaacat cttgtgncaa 600
ttanccaaat gttaaggcga aaatggaatc tttcaaacaa gtgttntaaa caggttttga 660
ttttccaaaa tttantatta gaacnntttc aattctggaa gttncccaat ttccangttg 720
tgttttctct tccaattctt ctttcctttg naaattcccc 760
```

```
<210> 231
<211> 692
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<222> 20, 44, 47, 76, 92, 94, 105, 121, 123, 131, 146, 168, 208,
213, 218, 267, 269, 312, 331, 333, 341, 357, 374, 403, 437,
450, 451, 465, 492, 493, 501, 508, 531, 542, 560, 570, 588,
593, 600, 617, 619, 643, 651, 652, 653, 672, 692
<223> n = A,T,C or G
```

```
<400> 231
cattgtgttg gggggtgctn tggggagaa acgcttatgt tganatnggg ctccccgaga 60
aagcctcatt gacacnttcg aataaggacc cntngggaaa ttcangtgag ttgtggacat 120
ncntagataa natcaaaggc cttgangaag tccgcctggc accttcngt ctgcgaggag 180
gttgatacca aatgctaagg ggtccagntg cantgtanta tctgagatc agagtgatgg 240
gcaggtgttg gcatgcgggc cctcaanang aagtgccag gatgactcag acttatgcct 300
atatccattc antoctgttc attattttta ncnttcctc naaggacccc caatttnaac 360
catttgttat tcanggctat acttataaaa gtcatttgtt ttnagtctgg gtgatattaa 420
aaccatttgg acgccangca tgggtggctn nggcctataa tcctntccac cttggggaag 480
ccgaagctgg tnnaatccct naaggtcngg aatttgaaaa ccatcctggg ncaacattgg 540
gngaaaccct gtctctactn caaaaaacan aaaattttct ggggcctngg ttngcaggtn 600
```

gcctgaaaat ttcccanent tactccggga aggcogaatg ccntaaaaaa nnnaccttta 660
 acccccccca angggcgga agtttccatt tn 692

<210> 232
 <211> 518
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10, 13, 35, 38, 60, 66, 71, 77, 90, 105, 117, 118, 151, 154,
 157, 164, 177, 181, 193, 230, 235, 238, 243, 247, 250, 255,
 267, 273, 277, 279, 284, 293, 309, 320, 322, 334, 357, 370,
 372, 373, 380, 386, 388, 398, 402, 410, 446, 467
 <223> n = A,T,C or G

<221> misc_feature
 <222> 476, 477, 479, 504, 510
 <223> n = A,T,C or G

<400> 232
 actcaaagtgn ccncttgaag gtcacccaga ctcanaangt gtcaagcttt ggggtggggtg 60
 gtaatnaata nctcggnctc ctgattagtn ctctagctc gatcncctggc tgagatnngt 120
 tcgagcacc ttcttttgat ccgtcaaac nccnggnaaa agcngcctgc gtagtcncct 180
 nagccgaatc tgnntttcccg acacctccg ctcggtcggc tgccctggtn aagcngcctc 240
 ctnaaanaaa aaagngaagt ctccccngtc tcncccnant cctngggaaa acngcctgaa 300
 ccaatatgnt ccccccaagg cccccaggg cacntaacc gttaggagg cccccnctg 360
 gcgttttggn cnaaagcccn gccccngnaa taaccccnct anaaccacgn aaaaatgcaa 420
 agtcccaaag ggtaaagaat ctcccnaccc cccggttccc tcgcaanctt cccctnngna 480
 cttgtgttcc gggaaaaccc ttancccgan cttttcca 518

<210> 233
 <211> 698
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 509, 617, 618, 635, 641, 681, 688, 690
 <223> n = A,T,C or G

<400> 233
 gcacgagttt ctgtctgtct gtctctctct ctctctctct ctctctctgt ctctctctca 60
 cagttagaat ttgggtctgt tctttattca ataccccaat atatgttcat taggggtata 120
 ctgtatacac tacacataac agttttgttt tttgttttg atattatttg ataataagaa 180
 ttttaccaca tcattaaaaa aagtttcccc aagctataat ttttgataat tgcactcttc 240
 cactattcaa atgtttattt aactctttct ctctggagt aggtttacat tccatttttag 300
 ctatgatact gctttaagag aaattgtttt aagataaatt tccatagaca ggtcaaagga 360
 ggtgaatata tgtaagcttt tcatgacctg ttactgaatc tcattctgga aaacataact 420
 gtcaatgccc tctttttctc atggtaaaaa aatacataac aaaatttacc atcttaatcg 480
 tttttaaatg ttacagtacg atagtgttna ctgtatgtac cttgtgcaac agattctctg 540
 aaaacttttt catttttcaa aatgaaaact ctgtactcat tgaacaggca gcttcccaac 600
 ttccccattc ctccanncc ctacccctgg ttaanagtct nacaaaaccc gggaatttta 660
 tgaaatttga aacactttta naataccnct tattaggg 698

<210> 234
 <211> 773
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 289, 331, 367, 523, 545, 582, 594, 623, 652, 663, 675, 698,
 709, 711, 722, 740, 749, 764
 <223> n = A,T,C or G

<400> 234
 ggcacgagcg cagcttttcg aaagctgtaa tttgttttgt atcaaaagtc ctgcagtata 60
 ttagtctcat tgcattttta agagtttcca agtgatcagt gatggttgtc tgttttttag 120
 tattacggtc ttatgtaatg ttcgaaaact agtcagtttg gtgctgtcgt acggggcgga 180
 aagatcaggc caggcaaagt actctggccg ccaaagtaaa tgcttaaggc cgccaacgga 240
 ttatgtcctg ggggttcgat agggccgtaa ttaggttgag ctggtgtang ctaacctcgc 300
 agccatgtcg gagagagatg agagacataa nattttaaag taggggcgta ttttacgaag 360
 ttctgancca tttcctttgt tatcgggtccc ggcaaaagca actgagataa atgtgttaaa 420
 agactcgatg attttttcga cttcagcaac gtactcagcc ttgggttctc gtagtttttc 480
 aaaggcagct atttgctgag attcatgaaa agtttgactt ganctgcttg tcaatttctg 540
 cagcncgggc ttcaactggt attgaatttg tttgattaag cncaatacgt tgcnggtcac 600
 caagggtttc catgttttga ctncacctgg tccaaccaat ttgaattatg tntttttgcc 660
 tgnccgtgtc ccccnccctt aaatccatct cttttttnga aacctttgng nggttgaatt 720
 cngccgcccc gttcccaacn tttggttcna ccttggaana aanaatgggt agt 773

<210> 235
 <211> 849
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 581, 612, 643, 647, 716, 717, 758, 775, 778, 786, 821, 825,
 837
 <223> n = A,T,C or G

<400> 235
 attgggtacg ggccccctc gagcagcctc cactgcaatg ccgctgaatc aagagacttt 60
 tcaatacgtt ttatcagtga aaatgatgtg atctgaagag tcctatcttg agcactttgc 120
 atgacatcca acgttaatgt ccacaacgtt cttagctgcc caacctctt atcggcaagc 180
 tccaaagggtg tgtgcaaacg ttctacggcg tcatgaaaag ctgaaaaatg ctgtgtcaac 240
 actgcaccgc tgcgcattct caaaagcagc gcccttatag tctccgcatt cgaagacgat 300
 aaccgcgta gaatagcctc ataatactt ttgtagaaat caatcagagc tgtgctagga 360
 acctttccat ccaaaacata cgactgtgag accacgtctg caaaagcaga cgtcacatta 420
 tgcataatgcc ctcttaccgt cagccgatca tctcactca tagcgacgag agaaagctct 480
 tgttccagct cgtgcacggt atccaattca gtaatcctac gcaacgcggt ctgaatcgtg 540
 ttcataagtt cagtttttaa gctcaaaact tcgtctctta ntttaccctc tgtgactttc 600
 aaactgggag antcttcacc attttattaa tcgtcttttt gangganggc ccagcggttag 660
 atctgcatcg ccagcggaat cgttactccc tccattcct cctccgggta acgcanntag 720
 tttctccgaa gccttaaaat tagccgggga aagggaantt atttgcccc acaanggnat 780
 cgcggncctg gtgggttaaaa ggaactgaaa taaaattaaa ncccncttgg gggaaangcc 840
 cgcatactg 849

<210> 236
 <211> 310
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 21, 90, 150, 194, 234, 261, 302
 <223> n = A,T,C or G

<400> 236
 ggggtgggtt gcttccgaaa nccggggccc ggccaacttg ttggcttggg aatattcttg 60
 caagaaaatt tccagggcgg cgccaatttn atcaagcccg ggcggcctta aaccgaaaac 120
 tctggcaggg tcaaccctt tcatgggcgn ttgaaagctt gaagcgcgcc aagttactcc 180
 caagcttggt gcgnttgccg ttggggggcg gggaaaagtt gaaaacacgg gcgntttgtt 240
 gcccgcgccg cgggcgggtt nttacgccat cctgggaaaa ctttcagggt tggctgctta 300
 cnaaacaggg 310

<210> 237
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9, 21, 24, 38, 51, 85, 91, 107, 110, 116, 127, 140, 163,
 164, 190, 205, 213, 222, 224, 231, 233, 241, 255, 257, 260,
 269, 294, 295, 303, 306, 314
 <223> n = A,T,C or G

<400> 237
 gcacgagtnt ttgttattta natnttgctt tgtttaangg aagaacacaa naatgccttg 60
 ctaaagggat tctgttttgt tgcangctgc naggcgggaa aaaatcnaa tgtatnttgc 120
 acaacangat tttttagaan tcagaactat gacatgaagt canncagggc actctacgac 180
 tgaatttgcg gtgctgcctt cacangctcc ttntctgctc tntnctggca nongtgactc 240
 ntacacgtcc tgganantan cctccctana aggaacgact ccgacacccc cccnntaccc 300
 ctnaangttc atcng 315

<210> 238
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 10, 92, 93, 138, 242, 258, 282, 309, 329, 356, 362, 373,
 376, 382, 389, 391, 395, 407, 418, 420, 424, 433, 445, 449,
 459, 461, 481, 484, 498, 508, 509
 <223> n = A,T,C or G

<400> 238
 ngcacgagtn tttgttattt atatattgct ttgtttaaag gaagaacaca aaaatgcctt 60
 gctaaaggga ttctgttttg ttgcaggctg cnngcgggga aaaaatcaaa gtgtattttg 120


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<210> 239
<211> 209
<212> DNA
<213> Homo sapiens
```

```
<210> 240
<211> 610
<212> DNA
<213> Homo sapiens
```

<400> 240						
ggcacgaggt	ttctggctgg	agcctcggac	actggctcac	tgcagttggt	ggtgtcgaca	60
gtggtangag	ggcaaccagt	aacgggagct	tctcctgcca	ggcaggaaga	cgagtagaag	120
ggagcggcat	gctggaggct	ggagcctgag	cccctggggc	tcgccttgct	gtgtttggtg	180
gtgacgtggg	acactgcagc	tcggccagag	tggtaaaaaa	tgtcctgggt	tacgcttttc	240
tggctttgcc	cgtctatctg	ctccaagcca	ggctgganga	ngagganaag	gaatcacctg	300
tggtagctg	gagcctgcat	gtggcgtgac	tctgcaactc	gcctcgtgtg	actgatggca	360
gccacggaga	ctgcagctcg	acagggagtg	aggcttctca	ntggcttgaa	agctcagctg	420
actcccacga	aatttgccgg	aaactcaagg	ctgtcagtga	cnttcgtggc	gccaaagactt	480
aancangcgc	gttgcatgca	tccggccagt	gtctgtgcca	cgtgccctga	cncacacttg	540
anataancac	ccggaacgcg	cnnccgcgag	gccgcgcgca	cacgnccggg	cancaacttg	600
gctggcttcc						610

```
<210> 241
<211> 474
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 67, 114, 120, 124, 137, 144, 150, 209, 279, 285, 291, 324,
384, 400, 407, 417, 421, 428, 438, 453, 459
<223> n = A,T,C or G
```

<400> 241
 ggcacgaggt ttctggctgg agcctcggac actggctcac tgcagttggt ggtgtcgaca 60
 gtggtangag ggcaaccaat aacgggagct tctcctgcc a ggcaggaaga cgantagaan 120
 ggancggcat gctggangct ggancctgan cccctggggc tcccttgctg tgtttggtgg 180
 tgacgtggga cactgcagct cggccagant ggtaaaaatg tcttggtgta cgcttttctg 240
 gctttgcccg tctatctgct ccaagccacg ctggaagang agganaagga ntcacctgtg 300
 gtacgccgga gcctgcatgt gggngtgact ctgcaactcg cctcgtgtga ctgatggcac 360
 ccacggacac tgccactcta cagnaatga ggcttctccn tggactngaa agctcanctt 420
 nactcccncc aagtttgncg gaactcaagg ctntcactna acttcgtggc gccca 474

<210> 242
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 8, 9, 34, 71, 141, 162, 195, 262, 309, 321, 364
 <223> n = A,T,C or G

<400> 242
 ngcgggggnt tccaccagct cgtgtgcaca agtngcgcca cacaacatg cgcaggcact 60
 gcatgtcatc natgtgcttc gccgtgggtc tggaaacagcg agtagaagat ggcgttcggg 120
 tcgcgaccaa attcgacgtc ntggatgctc ttgcgcaaga angtcacgta cgggatcggc 180
 ccgatggatc cgctnaagcg ccgaaaggcc ctgacttgca aaccgcggct cacagaaccg 240
 gcaccaccgg cgccctccgc cnacaaaagt cgagcgggct ccgacacaca ctccctcaca 300
 tccccgtcnc gcaattcggc ngtttctagc tccgccacgg ttgtcagcgg caccgcgggc 360
 gccnagctgc cggcggcatc cgttgccacac agcacacacg gatccgctct cgtgc 415

<210> 243
 <211> 841
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 297, 511, 589, 629, 644, 650, 657, 676, 677, 688, 694, 696,
 730, 738, 744, 749, 755, 827
 <223> n = A,T,C or G

<400> 243
 aacgaggtgt cgatgagcgc gaacaatcgc cctccttcat ctctacctga tgggtgaactt 60
 cgctcctaca gccgagccaa tgaagacgaa tggctgctgc cgaggatggg agtctcacta 120
 gagcacggcg cgctggacaa ctcatcgact tgtaogettc cggtagctta gccattcag 180
 ctccactgac gacagagacg gagctggcca ctgccatctc gacgcagcgg gacaaggagc 240
 agcttcgggc gccgtatgca tcaactcgaag agaaccagga gcagccggaa gcaggangcg 300
 ctgcacggta caggcacttt cggcgcttca gccgatccat cgggccgatc ccgtacgtca 360
 ccttcttgcg caagaacatc caggacgtcg aattcggctcg cgaaccgaat gccatcttct 420
 actcgctctt ccaggaccgg gcgaagcaca ttgatgacat gcagtgcctt gcgcgtgtt 480
 gtgcggcgct accttgggtc acacgaacga nggcaaccaa cccgccccag gtgcccgtct 540
 atgcattcct gttctgttcc ggtgtgcatg gccggatgtg gaccgtganc ttggtgaatc 600
 ggctgggtgca tgaagactta ccgctctcnt caaggcgcaa cgcncctcan ttcgganaag 660
 gaacaaaacc ccccnnaag aacggcantt gcanentttt cccccgctgc cggctcttct 720
 ccattcgggn attctctntc tcnnaaant ccgcnaaatc ttcttttcggg ttctcccctg 780

<400>	245					
aacgaggtgt	cgatgagcgc	gaacaatcgc	cctccttcac	ctctacctga	tggatgaactt	60
cgctcctaca	gccgagccaa	tgaagacgaa	gtggctgctg	ccgaggatgg	gagtctcact	120
agagcacgcg	gcgctggaca	actcatcgac	ttgtacgctt	ccggtagctt	agcccattca	180
gctccactga	cgacagagac	ggagctggcc	actgccatct	cgacgcagcg	ggacaaggag	240
cagcttcggg	cgccgtatgc	atcactcgaa	gagaaccagg	agcagccgga	agcaggaggc	300
gctgcacggg	acaggcactt	tcggcgcttc	agcggatcca	tcgggccgat	cccgtacgtc	360
accttcttgc	gcaagaacat	ccaggacgtc	aaattcgggtc	gcgaccgaat	gccatcttct	420
actcgctctt	ccaggaaccg	gcgaagcaca	ttgataacat	catgctgcc	catgtttgtt	480
gcgcgcccc	tggttgcnca	cgaanccgaag	ggcaacaaac	ccgcgccagg	tngcgcgtct	540
tatgcattcc	ttgtctgttc	cggtnntgca	tggcccggan	nttggaaaccg	tnanccttgtt	600
nnaatcggct	ggtgcattga	aggaacttac	cgctctcgtc	aagggccgaa	cgcnccttct	660
agttcggana	aaggancgaa	aacccccccn	naaggaaacgg	ccnttgcnng		710

<210> 246
 <211> 704
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 85, 91, 198, 332, 375, 458, 507, 516, 538, 553, 570, 593,
 607, 624, 634, 646, 647, 653, 659, 674, 684, 693, 704
 <223> n = A,T,C or G

<400> 246
 aacgaggtgt cgatgagcgc gaacaatcgc cctccttcat ctctacctga tgggtgaactt 60
 cgctcctaca gccgagccaa tgaanacgaa ntggctgctg ccgaggatgg gagtctcact 120
 aaagcacgcg gcgctggaca actcatcgac ttgtacgctt ccggtagctt agcccattca 180
 gctccactga cgacaganac ggagctggcc actgccatct cgacgcagcg ggacaaggga 240
 gcagcttcgg gcgcggtatg catcactcga agagaacagg agcagccgga agcaggaggc 300
 gctgcccggg acaggcaactt tcggcgcttc ancggatcca tcgggccgat cccgtacgtc 360
 accttcttgc gcaanaacat ccaggacgtc gaattcgggc gcgaccgaa ttgccatctt 420
 ctactcgctc ttccagggac cggcgaagca cattgatnaa attgcattgc ctgcgcattg 480
 ttgtgcgggg ctctctggtg ccccgancga agggcnacaa ccccgcgcca ggggtgcenct 540
 ctatgcattc ctntctgttc cgggtgttgc tgggcgggat ttgaaccgtg aancttgggtg 600
 aatccgnttg gtgcattaag aacntaaccg ttntcgtca ggggcnnacc ggncccttnc 660
 aatttcggaa aaangaacca aaanccccc cncceaagga aacn 704

<210> 247
 <211> 618
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 513, 541
 <223> n = A,T,C or G

<400> 247
 ggccgccagt gtgatggata tcgaattcaa cgaggtgtcg atgagcgcga acaatcgccc 60
 tccttcatct ctacctgatg gtgaacttcg ctctacagc cgagccaatg aagacgaagt 120
 ggctgctgcc gaggatggga gtctcactag agcacgcggc gctggacaac tcactgactt 180
 gtacgcttcc ggtagcttag cccattcagc tccactgacg acagagacgg agctggccac 240
 tgccatctcg acgcagcggg acaaggagca gcttcgggcg ccgtatgcat cactcgaaga 300
 gaaccaggaa gcagccggaa gcaggaggcg ctgcacggta caggcacttt cggcgcttca 360
 gcggatccat cgggcccgatc ccgtacgtca ctttcttgcg caagaacatc caggacgtcg 420
 aattcgggtc cgaccggaat gccatcttct actcgctctt ccaggacccg gcgaaagcac 480
 attgatgaca tgcagtgcct gcgcattgtt gtngcggcgc tacctgggtg acacgagcga 540
 nggcaacaaa cccgcgcccc ggtgccgctc tatgcattcc tgttctgtcc ggggtgtgcat 600
 ggcccggatg tggaaccc 618

<210> 248
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 276, 355, 356, 382, 387, 421, 426, 462, 474, 480, 483, 486,
 498, 506, 527, 535, 553, 559, 579, 590, 616
 <223> n = A,T,C or G

<400> 248
 gcacgagagc ggatccgtgt gtgctgtgtg caacggatgc cgccggcagc ttggcgcccc 60
 cgggtgccgct gacaaccgtg gcggagctag aaactgccga agtgcgcgac ggggatgtga 120
 gggagtgtgt gtcggaggcc gctcgacttt tgttggcgga gggcgccggt ggtgccggtt 180
 ctgtgagccg cggtttgcaa gtcagggcct ttcggcgctt cagcggatcc atcggggccga 240
 tcccgtacgt gaccttcttg cgcaagagca tccacnacgt cgaatttggc cgcgaaaccga 300
 acgccatctt ctactcgctc ttccagaacc cggcgaagca cattgacaac atgcnntgcc 360
 tgcgcatgtt tgtgcggcgc tncctgntgc acacgaccga gggtagcaac ccgcgccagg 420
 ntgccntctt acgcattcct gtctgcccgg tgtgcgtggc cnggatgtgg acctgagcn 480
 gngantccg ctggtgcntg aagacnttgc cgctctcgtc aaggccnacc gccntcgcg 540
 gcggaaaaag gancaaaanc cccccgcaa gaaccggcnc tgcaccgttn tcgcgcccct 600
 gctgggctct tctcctttac gg 622

<210> 249
 <211> 517
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 447
 <223> n = A,T,C or G

<400> 249
 cattcgagct cggtagccggg gatccgattg gtaaaggagg tgcggaacag ccagctggtg 60
 ttttcggtgc ggccggggga gccacatcg ctgtggtcgt tggcgtagct gatgcgatgt 120
 gccgggacaa acgcgttttc caccacgatg tcatgactgc ctgtgccgag caggcccagc 180
 acatcccagt tgtcctcaat gcggtagtcc gccttgggca ccagaaaagt cacatgctcc 240
 aggccaggcg tgccatcacg cttggggcagc agaccgccta gaaacagcca gtcgcaatgc 300
 ttggagccgg tggaaaagct ccagcgaccg ttgaacctga atccgccttc cacgggctcg 360
 gccttgccag taggcatata ggtcgaggcg atgcgcacgc cgttatcctt gccccacaca 420
 tctgtctggg cctggtcggg gaaaaanccg cagctgccaa ggggtgaacg ccgaccaccc 480
 cgtaaatacca ggccgtggac atgcagccct ttaccaa 517

<210> 250
 <211> 215
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 4, 190, 193
 <223> n = A,T,C or G

<400> 250
 nntncattgg gccgacgtcg catgctcccg gccgccatgg ccgcgggatt accgcttgtg 60
 accgcttgtg accgcttgtg accgcttgtg accgcttgtg accgcttgtg accgcttgtg 120
 accgcttgtg accgcttgtg accgcttgtg accgcttgtg accgcttgtg accgcttgtg 180
 accgcttgtg acnggggggtg tctggggggac tatga 215

<210> 251
 <211> 231
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 12, 66, 111, 121, 127, 146, 153, 157, 169, 178, 180, 197,
 206, 221, 222
 <223> n = A,T,C or G

<400> 251
 ngcgcccacc tngtgattga tggtcgttta ctatcaagta tgtacatctt gctctagaca 60
 actccnattc agtgggaagaa attgggaaag tatcccgat aagtaatagg nattaggtct 120
 nccttantgc ttggtgggat attccncaac tgntccngat cggatcagnc tcgtgtcngn 180
 gaatgtgctc gatcgtnatt ctactnctga gcttctatcc nnacgtggcc t 231

<210> 252
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9, 11, 23, 38, 50, 56, 77, 91, 143, 190, 197, 210, 211, 222,
 233, 237, 246, 250, 265, 271, 284, 291, 293, 299, 307, 316,
 320, 348, 355, 362, 368, 373, 378, 388
 <223> n = A,T,C or G

<400> 252
 atgtatcanc nctgttggtg ttncatcttt tgcagtcngt tctaagggcn gataantatc 60
 agagatgcta atgcatnttc tgccaggcca ncattgggtg cctatgcgta ctcttcttat 120
 cttoctgaag agtcatctct ggnggatgtg ttccccctc tccacagtgt ttgcaagcgt 180
 taccacgcgn tgcggngcc gggaaggton ncacatccgg gnagacttcc ccncgtntga 240
 atcgtntctn gaatctccgg cgtntccct naacctcttg actnggacaa ngncccgtnt 300
 tccccntgt gaactngtan ccgccccctc ttccccctc agcctaancg ggaangaaga 360
 cngggtcnat ctngggcncc acaagaant 389

<210> 253
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 8, 9, 27, 36, 63, 78, 81, 89, 92, 99, 114, 117, 126, 131,
 147, 159, 161, 163, 184, 194, 200, 203, 208, 210, 224, 232,
 237, 250, 251, 260, 269
 <223> n = A,T,C or G

<400> 253
 nggggcenna tgagcgcgcg taatacnatc actatngggc gaattgggta cgggcccccc 60
 tcnagcggcc gccttttntt nttttttnt tntttttnt caaaacaccc tcnccntgg 120

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atgganacgt nacctttctc taaccanac ttcacaatnc nantctcagg cagccgcctc 180
aaanccgatg tcangttggn atntcaantn caatcttatt ttgngaatta anctganatt 240
gtggatggtg naccaatcan atacttggn tccgttgaac ccctgtgga 289

```

```

<210> 254
<211> 410
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 68, 280, 283, 284, 299, 300, 304, 342, 354, 368
<223> n = A,T,C or G

```

```

<400> 254
attgtgttgg gaacttgtag acagctatat caattgcagt gctatttctc tgagggtattg 60
aatctcantt attataattt tgaaatccaa ttggcttggga cttcattatt ttccaactaa 120
aaagatgatt gaaggattta ttgaaatgt gtaaagagta atatagattt tatgcttatg 180
tttccttgaa aaaagtaggt aaaattcttc tggaagtgtt actcctaaaa tacaaatgaa 240
catgtcaaga attacataaa ttcttttaaac tatccttaan aannaatggc tctatgtann 300
gagngaccct tacagactat taagaattaa cttgcatggc anagactcat ttanattcat 360
gaaatggntc tcactttctt ggtaagatct ggcttggacg tttttggtaa 410

```

```

<210> 255
<211> 668
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 90, 217, 220, 258, 476, 479, 538, 547, 554, 566, 579, 621,
623, 635, 650, 666
<223> n = A,T,C or G

```

```

<400> 255
tttttttttt ttttcctgtg ccaggcacta taccactgtg ctaggtgcct tctttgcatt 60
acttcatttc ctcataagct ttctgaggan acagaaagct tgaggttcac gtagctagca 120
tctacataaa ttagttgcta aaaacatata atacgtcttc cggcaggctg tcattagtaa 180
ctgatactac tagttgataa tctcataaac ctagcanaan ctaccattta agctgaaaca 240
actgtcaata tcactaanta aaacttaaact ccataaatca actatattct aaaatctgac 300
ttcagttcaa ttaaaaaatc actagttgtt acctacctcc ttctgaaagc cagtacaagt 360
taaatagaaca actcccgagt ttaacaaaca agtggcatct aaaaaaaga tttaaaaaat 420
aatccactta catatattta aaatggcatt aataaaacaa aatttatcca ataacnaant 480
ggcaaaggaa ggtgtccaat tattacatgt tataaatctt taaattaaac ttttcttngg 540
tttttctntcc ctanaataaa tacaancctt tccccgcna accagaaaaa agcaaaaaaac 600
aaaacccaaa aactcccagc ncngettaaa aaacncaaaa aaaataaaan ctctattaaa 660
tgcccnaa 668

```

```

<210> 256
<211> 487
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature

<222> 3, 10, 12, 18, 32, 36, 42, 78, 81, 148, 174, 177, 204, 287,
299, 314, 341, 358, 365, 413, 436, 444, 468, 469, 475, 482,
485

<223> n = A,T,C or G

<400> 256

```
cgnaaccgtn cnttttttnat gtgcgcccg cncagnacca gngccgctac aggcgaaggc 60
cggaagcacg ggagaggntt nggaaaaaaa agagtgttta caaagagcat attcgagag 120
ttgggatgag tgaaggggac cagaaggngc agcggtaggg acgcgtgaaa ggangcngcg 180
gagaaatgac agcaagaagg gganaagcac acgaaaaggc agtatcctcc tcccccttt 240
tcgaggactg ccgcattctt gttttctgcc cattccagtc accgaanaag atcccaaana 300
aagaagaaaa gaancagagg tgcacttcgc ttcattttc nctcgctttc ttttctgnct 360
tcacnagttc tgcaggattg cccttgtcct cttccgagca catctacgca cgnatgaggc 420
tcggcaggtc aagccnacaa aacnctcgca ctctctttt tctttgcnng tctgngtggt 480
anggnngg                                     487
```

<210> 257

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 11, 14, 18, 24, 26, 29, 35, 59, 81, 111, 118, 121, 430, 498

<223> n = A,T,C or G

<400> 257

```
cctttgaaag nccngctnaa ttcnnganc cccngatca gcaccaggga gctacaacna 60
aggccggaag caggggattt ngccggaaaa aaaagagtgc ttacaaagag nttatccnca 120
nagatgggat gagtgaaggg gacgagaagg tgcagcggtg gggacgcgtg aaaggaggca 180
gcgagaaaat gacagcaaga aggggagaag cacacgaaaa ggcagtatcc tcctcccccc 240
ttttcgagga ctgccgcata tttgttttct gccattcca gtcacgaaa aagatcccaa 300
agaaagaaga aaagaaacag aggtgcactt cgcttcatat ttcgctcgct ttcttttctg 360
tcttcacaag tctgcaggat tgcccttgct ctcttccgag cacatctacg cagtatgag 420
gctcggaggc caagccaaaa aaacgcttgc actcctcttt tctttgctg gtctgtgtgt 480
atgtggaatt ccgcggcncc gc                                     502
```

<210> 258

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6, 15, 18, 27, 28, 33, 41, 324, 446, 447, 449, 483, 498,
506, 509

<223> n = A,T,C or G

<400> 258

```
actcgnact cgatncanta caagagnnta tgnattogaa ngtgcccccg catcagcacc 60
aggagagctac aacgaaggcc ggaagcaggg gagagggccg gaaaaaaaag agtgcttaca 120
aagagcatat ccgcagagtt gggatgagtg aaggggacga gaagggtgcag cggtagggac 180
gcgtgaaaagg aggcagcgga gaaatgacag caagaagggg agaagcacac gaaaaggcag 240
```



```

tattcctcctc cccctttttc gaggactgcc gcatctttgt tttctgcca ttccagtcac 300
cgaaaaagat cccaaagaaa gaanaaaaga aacagagggtg cacttcgctt catatttcgc 360
tcgcttttctt ttctgtcttc caagtctgca ggattgccct tgcctcttcc cgagcacatc 420
tacgcacgta tgaagctcgg aggtcnnngnc aaaaaaacgc ttgcactcct ctttttcttt 480
gcnagtctgt gtgcatgnng gaaatnctna                    510

```

```

<210> 259
<211> 292
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 3, 4, 5
<223> n = A,T,C or G

```

```

<400> 259
gannngagtc acgaaaaggc agtatcctcc tccccctttt tcgaggactg ccgcatcttt 60
gttttctgcc cattccagtc accgaaaaag atcccaaaga aagaagaaaa gaaacagagg 120
tgcacttcgc ttcatatttc gctcgctttc ttttctgtct tcacaagtct gcaggattgc 180
ccttgtcctc ttccgagcac atctacgcac gtatgaggct cggagggtcaa gccaaaaaaa 240
cgcttgcaact cctctttttc tttgcgtgtc tgtgtgtatg tggaattcct tg          292

```

```

<210> 260
<211> 582
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 307, 313, 315, 321, 409, 420, 449, 452, 487, 492, 505, 536,
546, 547, 561, 564, 572
<223> n = A,T,C or G

```

```

<400> 260
gcacgagggtt ggggtggtact gtgtataata actccagatc cttgaccaag tttggagagt 60
cacttatggc catttgaaac caaatgaagg atcaaaggac taattatttt gaatacctct 120
gagtgttttc cccaagcttg agaagagttt cattcagcta taaaatgctc attgtgcaaa 180
tgagtgggtt ccatgctgta taattaaagc attgccttta ataataatttt attaccttta 240
gcttgtcttt ttaatttgag gaaaatccaa acaatttaaa gtaaaacgtg ataaagacag 300
tttttcngga gananaaggg nagatcgcta tgtttattcc acttaatatc tatatcaaat 360
atttgtatca aaagcagact ctcaatttaa aaatatctct ctaatggcna gaatcttttn 420
cctagattga gagtcagagc tcacatagna tnactgctgg taaatagaca cttagactat 480
agagctnagc tnaagttcca actanccaac tgcattttctg aatatgcttt ttattnaaag 540
gccagnnctt ttgccttttt nccnccctaa tnccttctat tg          582

```

```

<210> 261
<211> 783
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 137, 425, 445, 489, 500, 552, 554, 559, 570, 584, 587, 599,

```

615, 618, 626, 633, 645, 648, 649, 658, 669, 679, 684, 691,
698, 705, 718, 726, 727, 741, 753, 756, 765, 767, 770
<223> n = A,T,C or G

<400> 261

```
gcacgaggca aaatacagag ggtatTTTTac catggacagg caacccattt ttccaggaca 60
actctttgca gcagagagct attctctttc ttttgcctta cactctcaac ctcaactctc 120
gagtgtctgc atcctanttt tccatggcca taagataagg aaccatgagt gttactctag 180
atgaggctgt ttcatgtgg gagctcatcc aggatccaag gtagattcat cagaagggta 240
agtataggag tgggaaccca aatctctact tttatTTTga ggcttctct cctcaatttt 300
aaattgtaaa atcaaactta aaactgggta tctgatggcc agttaaaga ctgggtatct 360
gattgccagt taagagatgg tcatttatgc tcaccacat tctcaagacg caggtgaggt 420
gacangcttg ctggggaatg ctgancgaat cccccaatgc cttcaggatt ctgggaatgg 480
tggctctgnt ttaaactggn tgacttttTac aaagagccta cccgtcatgg ggggactggg 540
aagaaaaccc anangcagnt tctggccan ggTtacaccc ccanggnTac cttgaaggnt 600
ttttggacat acctntttcc cccctntTac tgnttcatta gggcntcnc aaccaantt 660
tccaagttnt ggcccttcna aaantTTTT ntTTTcTnt tccanggacc cccctggntt 720
cctggncccc cctTTTTata nccaaccttg ccnggnattt tttcncnttn aaagggaat 780
aat 783
```

<210> 262

<211> 741

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 10, 98, 429, 441, 553, 567, 576, 599, 601, 615, 621, 635,
646, 649, 655, 659, 667, 674, 688, 708, 725, 731, 733

<223> n = A,T,C or G

<400> 262

```
tgaaccctan tgggcccggc cccctcgagt cgacgggtatc gataagcttg atatcgaatt 60
cggcacgagt gtatattctg ttattatacc ccagattnaa gtgtatattc ttaggcagta 120
gtttctggtta acatccttac tacataaaat ccacttacta ttttaagtatt attctaacag 180
gaggtagaat agctgcctta aaaaatgtag tgatogaatg gcagtTTTTc tgctgaatgg 240
aaattactga cacaaaattt ggttttggga gacattttcc tccttgTgt tgagttttcc 300
cattcacgga tagggcataa agcttggttt atagttgagg ggtgcaaaag ggggaatagga 360
ttgggaaaat acagtgttcc agcaaaggTc tgacaaggta catcttgagg aggattccta 420
ttctgctang tggcactgta ngTcttgaaa tactgtgtac tttccagaca aaggatagag 480
aaaaagacct tcaTgggtg ggggagaaga aaaccctTgt tcctagaaaa atcacaaaaa 540
aggcatcctt tancctatat tcccagnttt actggngcat ttgcttgatg tgactgacnc 600
ngattatttc ctttnactgg naaaaattcc tgccnctttg gatatnaang ggggnaccng 660
gaaaatnggg ggcnttgggg aaggaaanaa aaaaaattgg agggaccnaa ctttggaana 720
tgggntgctt nangccttaa g 741
```

<210> 263

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 37, 38, 316, 318, 335, 385, 414, 420, 436, 437

<223> n = A,T,C or G

<400> 263

```
ggcacgagag aatgtgttca cagacactat tttatannta tctgatgtgt actgtgtctg 60
gtggatgtga aagccatact tcttaaactct gatttgaaaa gcaaactctga ttatcacagc 120
cataattaaa tttggccagc cttccttcct ccctccctcc ttcacttcct tccttccttc 180
cgctcgtgc cgaattcggc acgagcctga cctcactacc aaaaaaaaaa aaattcaaag 240
tgctgaggt ttccaggcat tcttagctct atttacttac ttcccacctc aaatggcctt 300
agaattcaaa ttctgnanaa aatggattgc catanataat ccaatgaaaa tgggtcatat 360
tttgccatta atagaatcac agtcnacaag ggactaatag aattagtcac ttangtatcn 420
ttagatttgg gagacnn 437
```

<210> 264

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 674, 689, 698

<223> n = A,T,C or G

<400> 264

```
gcacgagcac cccaagggtt taggacaaaa tgggatgagt gaattcatgg cttgacagac 60
tgaacagaaa aatgaggctc cgtgctccat attcatgtgc atctgcccct catggtgaca 120
tgctaattgg ttggccggtg cacaagacaa ggaagtgcag gtttcctgtt gctcacacag 180
tgcttcctgt ctgctgtggc aggagccggg aggaaggagg cgagccaaga ggggtgctgc 240
ccaccgaaa cgatggcgcg aggccgcaga gctaaatggg ggctctcca gggagtgcctc 300
tggttcacggc tccatcgctg ttagtaagta tcttgtgatt tcggaattta aatgagggtt 360
tgtttaacct gcataacatc tggcttttaa aatctgactt tattttcctt ttatttctgt 420
gcacggctc aggcacactt agtgggtggt taggtgttga agtcagggtta ccaaacagca 480
cgccctctct ttattctcag gctgcgtggt tcattgattc tgaaggtcag atggctgtgt 540
tcaagttctg ttagtatatt ggtgtcagaa atgaaaagat gatgtaacc tttataactt 600
cttaaaggct catatcatgt caggaaatta acctgtacga gttatggaca aatgcccac 660
ctgatgattt tcanccatga aaatgaatna aagggganaa gggcca 706
```

<210> 265

<211> 717

<212> DNA

<213> Homo sapiens

<400> 265

```
ggcacgagca gcattacggt ttatacacat gtccacaact cagcattgct ttcaaaatag 60
gaacacttta ttagtaaaga ggaagaaatt gcctaaacag actcagtgtc tttcccataa 120
caatcatctg ccaagccgca ggcctaacca ggaaatccca tttccttttg gcgttgtgtc 180
ctccaccaac agatacaacc ctgatgccaa atgttgtatg gtttgtagggt gttgtgagcc 240
aatgagggca tgcctagggc caaaggctgc cctttggaat gagggcaagg tcgtagactc 300
catcaaacaa caaatgcac ctcctccaaa atcaaatgct caacacatgc agcctttcgt 360
atgccatct cccctttact cattttcatg gctgaaaatc atcaggatgg gcatttgtcc 420
ataactccta cagggttaatt tcctgacatg atatgagcct ttaagaagtt ataaaggggt 480
acatcatctt ttcatctctg acaccaatat actaacagaa cttgaacaca gccatctgac 540
cttcagaatc aatgaaacac gcagcctgag aataaagaga gggcgtgctg tttggtaacc 600
tgacttcaac acctaaagcca ccactaagtg tgctgagcc gatgcacaga aataaaagga 660
aaataaagtc agatttttaa aagccagatg ttatgcaggg taaacacaac ctcat 717
```

<210> 266
 <211> 362
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 291, 296, 302, 308, 315, 323, 325, 335, 351
 <223> n = A,T,C or G

<400> 266
 ggcacgaggt tagatttaac ttccacagat gactcagcag aggataacta ctaatcagag 60
 tacaacatca aaactgtaac cagtataatc actggattat gagcaactca aaatagctcc 120
 agttttccaaa gggccataaa ctgcacatat cagtactatg tgcaattaac acataattta 180
 ttatgaaaat gtggacatgc caggtaagta aggggattta ggttgacttt ttataatact 240
 tttaaatttga aatgccattt ctgtggattg gatgacatct tccaggtgct ntaatnctgg 300
 gntacctnct gatanatcct gananaaaga ggtancacca gcgtctatca nacctcaata 360
 ca 362

<210> 267
 <211> 692
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 153, 159, 160, 331, 362, 375, 393, 435, 438, 448, 450, 451,
 460, 480, 486, 497, 509, 523, 530, 538, 539, 550, 669
 <223> n = A,T,C or G

<400> 267
 ggcacgaggt tagatttaac ttccacagat gactcagcag aggataacta ctaatcagag 60
 tacaacatca aaactgtaac cagtataatc actggattat gagcaactca aaatagctcc 120
 agttttccaaa gggccataac tggccctttt aanacttttnn gcaattaaca cataattttat 180
 tatgaaaatg tggacatgcc aggtaagtaa ggggatttag gttgactttt tataataactt 240
 taaatttgaa atgccatttc tgtggattgg atgacatctt ccaggtgctt taatttggtt 300
 tacctcctga tagatcctga cagaaagagg nagcaccagc gtctatcaaa cctcaataca 360
 gngtgtgaaa cacangagag cctgcttttg tcnacacggg gaaacacatt gttatcacia 420
 cacacaaaag gcaanctncc aatgggggnan ncttacctgn cctctcatat tgggggcaan 480
 gaaaangggg ccccanatg gctgagtana tccccaaaaa ccnccactan tggtcagnnt 540
 gtttcccccac acagccagat gactgaattt agccccagct gcagttctcaa aaccagcttt 600
 ctgacaatca gtaacaagaa catactggtc tgttgacagt agctcaagtg ttgggtgttc 660
 agtcaaaanc catggatgcc aatcatctcc ca 692

<210> 268
 <211> 605
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 21, 100, 331, 382, 403, 420, 432, 448, 461, 481, 554, 555,
 565, 591, 594, 597, 605

<223> n = A,T,C or G

<400> 268

```
cgtgccgaat tgggcacgag ngcacatatc agtactatgt gcaattaaca cataatztat 60
tatgaaaatg tggacatgcc aggtaagtaa ggggatttan gttgactttt tataatactt 120
taaatttgaa atgccatttc tgtggattgg atgacatctt ccagggtgctt taatttggtt 180
tacctcctga tagatcctga cagaaagagg tagcaccagc gtctatcaaa cctcaatata 240
gttgtaaaac acagagagcc tgcttgctta cacatggaga aacattgtta tcacaagaca 300
cagaaggcaa acttccaatc tggcatactt ncctgtcctc tcatatttgg ggcaatgaga 360
atggtggacc agatggcttg antagatgcc aaagaacacc canactgggc agcatgcttn 420
cccagacagc cngaagactg aaatttantic ccagctgcag ncttaaacc tttttttgac 480
nttcogtaac cagaccatac ttttttttct gatgcttttc ttaacttcat cttttccaat 540
taaattcatt agtnnaaccc taaanggggc ccgttttccg aaaaattttc nttntntttt 600
cccon
```

<210> 269

<211> 535

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 9, 185, 205, 213, 216, 220, 237, 251, 298, 304, 307, 331, 352, 447, 497, 500, 529

<223> n = A,T,C or G

<400> 269

```
gcacgaggng caaccccagg gtgggggtctc tgggatgaac ctggagacct gagcttgac 60
agcttccttg gtaaattgag gaggcatgga ccacaagatt gccaaagctcc tttctatcca 120
aacttgatat tgtagattc catgatccag ttcacacgg ttgatggctg aatctcatgc 180
actanaaaaa ggtaatatata aaganaaaaa tanaangatn ttcaagttag tataaanacc 240
tttaattctca ntctttctag ttcaaagaga cggaacaatg agagatgctg gttcatanag 300
ctgntanatt taacttccac agatgactca ncagaggata actactaatc anagtacaac 360
atcaaaaactg taaccagtat aatcactgga ttatgagcaa ctcaaaatag ctccagtttc 420
caaagggcca taaactgcca tatcaantac tatgtgccat taaccataa tttattatga 480
aatgtggac atgccangtn agtaagggga tttagggtag ctttttatna tactt 535
```

<210> 270

<211> 803

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 677, 687, 768, 772, 786, 790, 793

<223> n = A,T,C or G

<400> 270

```
gcacgaggng aaccccaggg tgggggtctct gggatgaacc tggagacctg agcttgacac 60
gcttccttgg taaattgagg aggcattggc cacaagattg ccaagctcct ttctatccaa 120
acttgatatt gttagattcc atgatccagt tcatcacggt tgatggctga atctcatgca 180
ctagaaaaag gtaatatata agaaaaaaat aaaaagatat tcaagttagt ataaagacct 240
ttaattctcag tctttctagt tcaaagagac ggaacaatga gagatgctgg ttcatagagc 300
tgtagattt aacttccaca gatgactcag cagaggataa ctactaatca gagtacaaca 360
```

```

tcaaaactgt aaccagtata atcactggat tatgagcaac tcaaaatagc tccagtttcc 420
aaagggccat aaactgcaca tatcagtact atgtgcaatt aacacataat ttattatgaa 480
aatgtggaca tgccaggtaa gtaaggggat ttaggttgac tttttataat acttttaaatt 540
tgaaatgcc a tttctgtgga ttggatgaca ttttccaggt gctttaattt gggttacctc 600
ctgatagatc ctgacagaaa gaggtagcac cagcgtctat caaacctcaa tacagttgta 660
aaacacagag agcctgnttt gcctacncat ggagaacatt gttatcacia gacacagaag 720
ggaacttcca tctggctact tacctggctt tatttttggg gcaatganaa tnggggggacc 780
aatgngtgan tanatgccaa aaa 803

```

```

<210> 271
<211> 836
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 623, 682, 718, 768, 781, 785, 787, 794, 804, 811, 816, 822,
831
<223> n = A,T,C or G

```

```

<400> 271
gcacgagggc aaccccaggg tgggggtctct gggatgaacc tggagacctg agcttgcaca 60
gcttccttgg taaattgagg aggcattggac cacaagattg ccaagctcct ttctatccaa 120
acttgatatt gttagattcc atgatccagt tcatcacggg tgatggctga atctcatgca 180
ctagaaaaag gtaatatata agaaaaaaat aaaaagatat tcaagtgagt ataaagacct 240
ttaatctcag tcttttctagt tcaaagagac ggaacaatga gagatgctgg ttcatagagc 300
tgtagatttt aacttccaca gatgactcag cagaggataa ctactaatca gagtacaaca 360
tcaaaactgt aaccagtata atcactggat tatgagcaac tcaaaatagc tccagtttcc 420
aaagggccat aaactgcaca tatcagtact atgtgcaatt aacacataat ttattatgaa 480
aatgtggaca tgccaggtaa gtaaggggat ttaggttgac tttttataat acttttaaatt 540
tgaaatgcc a tttctgtgga ttggatgaca ttttccaggt gctttaattt gggttacctc 600
ctgatagatc ctgacagaaa gangtagcac cagcgtctat caaacctcaa tacagttgta 660
aaacacagag agcctgcttt gntacacat ggagaacatt tgtatcacia gacacagnaa 720
ggcaacttcc atctgggata ctacctgtct ctctatttgg ggcattganat ggggacaatg 780
ntgananatg caanacacca atngnagctg ntccnagcag cnatatgatt ntccat 836

```

```

<210> 272
<211> 203
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 19, 42, 46, 53, 62, 63, 74, 84, 89, 109, 112, 119, 120, 128,
133, 139, 144, 148, 176, 187, 194, 197, 201
<223> n = A,T,C or G

```

```

<400> 272
ggagaattgg gcccgtcang ggtgcattct gcatcacctg anttcnaaat ctngatcaat 60
cnncgtacta atantatcaa catnatttna acctgatctc cactgcttng tnattttcnn 120
ttcactgncc ctntcactng aacntctntt cacacagcca cccccatta tctggntggc 180
acctccncca aatnccncc t naa 203

```

```

<210> 273

```

<211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10, 17, 55, 80, 96, 156, 164, 171, 176, 180, 204, 211, 224,
 242, 253, 265, 282, 284, 292, 313, 314, 319, 329, 338, 340,
 348, 357, 359, 370, 377, 390, 396, 407, 420, 437, 439, 440,
 456, 457, 479, 490, 520, 524, 541, 546, 557, 571, 575
 <223> n = A,T,C or G

<400> 273
 attcggggccn ctggatncgt gctcgagcgg ccgcccgtgt gatggatatt tgcanaattc 60
 ggcttctgga gagagctttn tttttgatgg ttgcangtac tctcgatgga gttgggtgggt 120
 gtgggttatct ctctctgggt gtctttctgt ataaanttct tgcncgtgact ncctanctcn 180
 cctccccctg gtccttccct tagngtaaca nctggtaatc cctntcttct ttgctctcct 240
 tnccttctct gancgatttc ctctntttgt ccactctcag gnanaaccct gntgggtcagt 300
 gttcatgact tcnngaagnt cgacccgcna aatagggnen cacggatnat gttgaancng 360
 ggaaggaggagn gtccaanttc tctgttccan aggcctnagcc tagaganaat gatgggagan 420
 gggtttactga gatcatngnn tcttctcgaa gatatnnttt aggggtgggtcc cccataagng 480
 aatttctcan cttcaaatct tctaatacat tactgaacan ctgncatttg ttacgccaca 540
 nattgnaatt ctccatntct ttttagaaac nattncaagg tcattttatt ccct 594

<210> 274
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 24, 31, 38, 49, 55, 62, 63, 75, 86, 113, 116, 122, 127, 142,
 148, 150, 162, 171, 176, 184, 185, 190, 201, 207, 212, 215,
 218, 227
 <223> n = A,T,C or G

<400> 274
 ctactcactg tccggccatt tggncctctg natgcatnct caagcagcnc gccantatga 60
 tnnatatctg cacanttcag ctctcngaga aaactatggt ttaaacagtt gctanactt 120
 anaatanaaa tcgagtaagg tntagatnan tctctaacga tngaattatt ntacanaggg 180
 gtanncgatn accaggagta nctaganttg ancancancc taggtcnga 229

<210> 275
 <211> 651
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8, 18, 25, 34, 36, 87, 139, 140, 165, 168, 187, 222, 237,
 262, 268, 271, 286, 288, 296, 301, 315, 329, 338, 356, 359,
 365, 368, 402, 416, 445, 490, 500, 522, 528, 538, 542, 550,
 562, 565, 569, 577, 581, 587, 589, 597, 610, 640
 <223> n = A,T,C or G

<400> 275

```

atatctgntg aatacggntt cctgnaaaaa ggtntnattt agatggttga gtccgactca 60
gcatgacgac ttggtgggtg tggtcantct cttatggttg agattgttca tgatatcatg 120
ccctgagatg cctggactnn cctcaccgga gatccatagac ggtgntancc cctgagagtc 180
tctctentcc tgctctccta acttctccta atgatccctc cnattgtcta ctgtccnatt 240
gaacccttct tgcttatgta tncaatcntt nacggtgtcc ctgctnantt tttganacga 300
ngctcataat ggacngggga aggatagtnt gaataatntc ctgtataccc acgccnactt 360
ctacnctntg atctgacacg gtatactgat ttgtgctgtt cncttcacca ttccantttc 420
taccttccgc tcatatgctc tgtangctac accctctgtg actgctttct cagttacgtg 480
caacaaggtn ttcatatctn gaactcttac accattctag anggatcncc cctcgganaa 540
antttggaan aacaagcaag ancanaatnc ctctctngtg ntacacnanc cggcttncgt 600
atcctcgtnn aaggaattcc ccgctttcct gggctttaan tctcctaaac t 651

```

<210> 276

<211> 392

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

```

<222> 18, 24, 27, 35, 41, 49, 55, 60, 86, 87, 92, 96, 101, 115,
140, 156, 157, 166, 188, 189, 197, 206, 210, 222, 254, 256,
264, 265, 288, 289, 293, 300, 305, 311, 312, 320, 332, 333,
343, 362, 366, 371, 384

```

<223> n = A,T,C or G

<400> 276

```

accccccccg aattacgntg gccnatntaa aagtncatca ngcctccang caacntatcn 60
tttcattacc acccacactc ctgttnnggg anggangtgg naatccttca ccatnctaatt 120
gtatgtggtg ctctcatgcn ggtacgtata atctanncgt cccctnaaat cggatgcttc 180
tgtaatcnn agtcacnaaa ccacanggan caactgaaac angatttggc taacagccaa 240
tgtctggggc ctcnnaatc cctnnaatat ctctacacc tgtagtanna atnaactacn 300
ctacnctatt nnacacacgn tttagggttgt annaccaagc cntattgag tgaaatcggt 360
tntatngtat naaatgccaa aagntgcggt aa 392

```

<210> 277

<211> 212

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

```

<222> 11, 17, 22, 25, 29, 38, 57, 61, 64, 73, 80, 108, 110, 115,
181, 186, 189, 200

```

<223> n = A,T,C or G

<400> 277

```

ggtttgcggt natgaanttt gnaanaatna actttagnga taaccacccc accaatncct 60
nctnagtatt tgncaacctn aaaactacag ctctctccag atagactntn ccttnctgat 120
ttcaactctc cttggactgg tcagcctgaa ggggtggaat gactcaccaa cgctactaat 180
nccttnttna ctgtgccttn attttttgcg ct 212

```

<210> 278

<211> 269
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 3, 37, 55, 60, 63, 78, 97, 101, 142, 145, 150, 170,
 186, 189, 202, 204, 216, 243, 247, 251, 256, 262, 267
 <223> n = A,T,C or G

<400> 278
 nnntccatcc taataccact cactatcggg ctccaancgg ccgcccgggc acgtntcttn 60
 tgnacagga tctgaatnaa ggggtggttg taacttnact naaaattctg aaatgatcct 120
 gcatcagaca ggggttctccg tntanaatan agtttccttg ttagttatcn agcctgggca 180
 ggggangana gattcgagga cntntgaaat gaaggnatta ttaggatgg gtgactcatt 240
 ccnaccnttc ncgctnacca gnccganga 269

<210> 279
 <211> 266
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9, 12, 19, 32, 34, 51, 52, 60, 65, 68, 72, 128, 132, 142,
 144, 149, 174, 181, 182, 203, 208, 209, 244, 247, 254
 <223> n = A,T,C or G

<400> 279
 gttggtgagt cngtttgng tcttctggt gntnggtgtt tgggtgtgtg nnttggtgtg 60
 gggtngtntt tntggagaga gttgtagtgc gtgaggggtg cagtgtactt actatggagc 120
 ctaaggangt gngctaactt anantgatna ctttgctcat actgccctgc cctnaatgcc 180
 nngcttgcc caccctgggtg ccnaaccnna tcgaacacct aacagtctag taggcttctt 240
 gctntancag actnctcttg aggatc 266

<210> 280
 <211> 317
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8, 15, 21, 24, 36, 41, 72, 97, 112, 114, 117, 142, 151, 167,
 176, 177, 178, 224, 231, 238, 247, 277, 285, 293, 299, 304
 <223> n = A,T,C or G

<400> 280
 acactgttag gtgtntggaa ntgntgtagg catagncttt ntggcacaga gttggagccg 60
 tgaggcatag cntgtactta ctatggagcc taaggangga gctaacttat antnatnact 120
 ttgtcatac tgccctgctc tnaatgccta ngcttgctc accctgntgc cttacnnat 180
 cgaacacct cgcggtctat aggcctcttg ctctatcagg actnctcttc nagcttcttc 240
 gcctcanttg actcaactgt ctcggtcggt ctactgngat ccagncgctc atnaacctna 300
 cttnggacgc aggtcat 317

<210> 281
 <211> 174
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 47, 111, 125, 140, 147, 150, 154, 159
 <223> n = A,T,C or G

<400> 281
 gnggtcatat tatacatcta aggcattggcc aactccacgc cattatnaat tccatcgta 60
 tgtccgcagt cactacttat aacctagatt aatagtgcct ggccccggac ngctctgtgca 120
 atctnccgcc ataccaattn cgatccncan accncgatna cactcctcct tact 174

<210> 282
 <211> 169
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 73, 108, 113, 115, 146, 161
 <223> n = A,T,C or G

<400> 282
 atcgagctt gtacgatcgt catataacgc gcatgtgcgg atcgcttcag cgccgcccga 60
 ctgtcagaag gangagatct tttttatcac ttgtttgttt gactatanat aanancgact 120
 acagcattga tgtgtgtcct caaganttgt ctgggtctga naaagctga 169

<210> 283
 <211> 157
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 5, 36, 50, 67, 80, 87, 130, 133, 139, 145
 <223> n = A,T,C or G

<400> 283
 ggntntctaa gatcgagctt gtacgatcgt catatnacgc gcatgtgcgn atcgcttcac 60
 gtcgccnggc tgtccaggan atgcatntca acataatgtg cactctatat gggtattgat 120
 taatacgagn tangagcana tatcngatac aacacaa 157

<210> 284
 <211> 133
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 11, 21, 36, 37, 92, 102, 122
 <223> n = A,T,C or G

<400> 284
 ggngtggtgt nagatacgca ngctgggacg aatcgnttca tagtacggcg catgtgttga 60
 tcaattctga aaatccatcc cggcgcgctc ancatgcact anagggcaat cgcctatatg 120
 antcgtatta caa 133

<210> 285
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 3, 6, 26, 31, 35, 38, 55, 57, 62, 68, 77, 79, 104, 107,
 119, 120, 124, 129, 130, 136, 146, 149, 156, 161, 165, 172,
 179, 191
 <223> n = A,T,C or G

<400> 285
 ntntgngtga tgatacccaa gctggntacc nactngantc caattaccgg ctcantntgc 60
 tngaaacngc ttcgatngnc tcttgcatg tacttgaaac aggnatanata tctaatagnn 120
 tacngtgnn ttttcnatca tacagnttnt atattncact nccnccatt cntttctant 180
 ctctctctcc ntat 194

<210> 286
 <211> 134
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 7, 29, 41, 66, 73, 86, 93, 108, 128
 <223> n = A,T,C or G

<400> 286
 gagggnttat gataccaagc tggtaaganc ccgtcactat nacggcccag tgtgtggatc 60
 cgctanctgg tencgcgatg tctacncaca cgngaactgc ctctcgnaa gatctcctct 120
 cctctccnaa gaga 134

<210> 287
 <211> 119
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 26, 78, 83, 101
 <223> n = A,T,C or G

<400> 287
 tngggatatat ccagttgtac actggncata tacgcgcatt atgatcgttt cacgcccgga 60
 gtacggcatc attacganat ggntcattc gtttaccttt ntcgctggac acaagcgtc 119

<210> 288

<211> 170
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 4, 13, 39, 44, 107, 122, 158, 162
 <223> n = A,T,C or G

<400> 288
 gggntgagat acncaagttg gtacgagtcg gatcatatna cggncgccat tttctggaat 60
 ccgcttacgt ggtcccggcg aagtactttt tcatgccttg caaaatngcg ttactgcact 120
 ancttgctta acctatgagt ggggtctttc ataccccntc tntcatggaa 170

<210> 289
 <211> 126
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 19, 24, 46, 74, 84, 86, 109, 121
 <223> n = A,T,C or G

<400> 289
 ggccaattgg ggcctctana tgcntgctcg aacggggcgcc aatttnatgg atatctccaa 60
 aattcggtt accntgggtcg cggncnaagt acttaactca atccatctnt cactcaggat 120
 naatgc 126

<210> 290
 <211> 126
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 19, 24, 46, 74, 84, 86, 109, 121
 <223> n = A,T,C or G

<400> 290
 ggccaattgg ggcctctana tgcntgctcg aacggggcgcc aatttnatgg atatctccaa 60
 aattcggtt accntgggtcg cggncnaagt acttaactca atccatctnt cactcaggat 120
 naatgc 126

<210> 291
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 291
 cacatgtgca tccaggggag tcagttc

<210> 292
 <211> 34
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 292
 cgttagaatt catcaattcc tccgaagctc aaac

34

<210> 293
 <211> 702
 <212> DNA
 <213> Homo sapiens

<400> 293
 atgcagcatc accaccatca ccaccacatg tgcattccagg ggagtcagtt caacgtcgag 60
 gtcggcagaa gtgacaagct ttccctgcct ggctttgaga acctcacagc aggatataac 120
 aaattttctca ggcccaattt tgggtggagaa cccgtacaga tagcgctgac tctggacatt 180
 gcaagtatct ctagcatttc agagagtaac atggactaca cagccaccat atacctccga 240
 cagcgctgga tggaccagcg gctgggtgtt gaaggcaaca agagcttcac tctggatgcc 300
 cgctcgtgg agttcctctg ggtgccagat acttacattg tggagtccaa gaagtccttc 360
 ctccatgaag tcaactgtgg aaacaggtc atccgcctct tctccaatgg cacggtcctg 420
 tatgccctca gaatcacgac aactgttgca tgtaacatgg atctgtctaa ataccctcatg 480
 gacacacaga catgcaagtt gcagctggaa agctggggct atgatggaaa tgatgtggag 540
 ttcacctggc tgagagggaa cgactctgtg cgtggactgg aacacctgcg gcttgctcag 600
 tacaccatag agcggtatct caccttagtc accagatcgc agcaggagac aggaattac 660
 actagattgg tcttacagtt tgagcttcgg aggaattgat ga 702

<210> 294
 <211> 232
 <212> PRT
 <213> Homo sapiens

<400> 294
 Met Gln His His His His His His His Met Cys Ile Gln Gly Ser Gln
 1 5 10 15
 Phe Asn Val Glu Val Gly Arg Ser Asp Lys Leu Ser Leu Pro Gly Phe
 20 25 30
 Glu Asn Leu Thr Ala Gly Tyr Asn Lys Phe Leu Arg Pro Asn Phe Gly
 35 40 45
 Gly Glu Pro Val Gln Ile Ala Leu Thr Leu Asp Ile Ala Ser Ile Ser
 50 55 60
 Ser Ile Ser Glu Ser Asn Met Asp Tyr Thr Ala Thr Ile Tyr Leu Arg
 65 70 75 80
 Gln Arg Trp Met Asp Gln Arg Leu Val Phe Glu Gly Asn Lys Ser Phe
 85 90 95
 Thr Leu Asp Ala Arg Leu Val Glu Phe Leu Trp Val Pro Asp Thr Tyr
 100 105 110
 Ile Val Glu Ser Lys Lys Ser Phe Leu His Glu Val Thr Val Gly Asn
 115 120 125
 Arg Leu Ile Arg Leu Phe Ser Asn Gly Thr Val Leu Tyr Ala Leu Arg

130		135		140
Ile Thr Thr Thr Val	Ala Cys Asn Met Asp	Leu Ser Lys Tyr Pro Met		
145	150	155	160	
Asp Thr Gln Thr Cys	Lys Leu Gln Leu Glu Ser	Trp Gly Tyr Asp Gly		
	165	170	175	
Asn Asp Val Glu Phe	Thr Trp Leu Arg Gly	Asn Asp Ser Val Arg Gly		
	180	185	190	
Leu Glu His Leu Arg	Leu Ala Gln Tyr Thr	Ile Glu Arg Tyr Phe Thr		
	195	200	205	
Leu Val Thr Arg Ser	Gln Gln Glu Thr Gly	Asn Tyr Thr Arg Leu Val		
	210	215	220	
Leu Gln Phe Glu Leu	Arg Arg Asn			
225	230			

<210> 295
 <211> 204
 <212> PRT
 <213> Homo sapiens

<400> 295
Met Val Cys Gly Gly Phe Ala Cys Ser Lys Asn Cys Leu Cys Ala Leu
1 5 10 15
Asn Leu Leu Tyr Thr Leu Val Ser Leu Leu Leu Ile Gly Ile Ala Ala
20 25 30
Trp Gly Ile Gly Phe Gly Leu Ile Ser Ser Leu Arg Val Val Gly Val
35 40 45
Val Ile Ala Val Gly Ile Phe Leu Phe Leu Ile Ala Leu Val Gly Leu
50 55 60
Ile Gly Ala Val Lys His Gln Val Leu Leu Phe Phe Tyr Met Ile
65 70 75 80
Ile Leu Leu Leu Val Phe Ile Val Gln Phe Ser Val Ser Cys Ala Cys
85 90 95
Leu Ala Leu Asn Gln Glu Gln Gln Gly Gln Leu Leu Glu Val Gly Trp
100 105 110
Asn Asn Thr Ala Ser Ala Arg Asn Asp Ile Gln Arg Asn Leu Asn Cys
115 120 125
Cys Gly Phe Arg Ser Val Asn Pro Asn Asp Thr Cys Leu Ala Ser Cys
130 135 140
Val Lys Ser Asp His Ser Cys Ser Pro Cys Ala Pro Ile Ile Gly Glu
145 150 155 160
Tyr Ala Gly Glu Val Leu Arg Phe Val Gly Gly Ile Gly Leu Phe Phe
165 170 175
Ser Phe Thr Glu Ile Leu Gly Val Trp Leu Thr Tyr Arg Tyr Arg Asn
180 185 190
Gln Lys Asp Pro Arg Ala Asn Pro Ser Ala Phe Leu
195 200

<210> 296
 <211> 615
 <212> DNA
 <213> Homo sapiens

<400> 296

```

atggtttgcg ggggcttcgc gtgttccaag aactgcctgt gcgccctcaa cctgctttac 60
accttggtta gtctgctgct aattggaatt gctgcgtggg gcattggctt cgggctgatt 120
tccagtctcc gagtggtcgg cgtgggtcatt gcagtgggca tcttcttggt cctgattgct 180
ttagtgggtc tgattggagc tgtaaaacat catcaggtgt tgctattttt ttatatgatt 240
attctgttac ttgtatttat tgttcagttt tctgtatctt gcgcttggtt agccctgaac 300
caggagcaac agggtcagct tctggagggt gggttgaaca atacggcaag tgctcgaaat 360
gacatccaga gaaatctaaa ctgctgtggg ttccgaagtg ttaacccaaa tgacacctgt 420
ctggctagct gtgttaaaag tgaccactcg tgctcgccat gtgctccaat cataggagaa 480
tatgctggag aggttttgag atttgttggg ggcatgggcc tgttcttcag ttttacagag 540
atcctgggtg tttggctgac ctacagatac aggaaccaga aagacccccg cgcgaaatcct 600
agtgcattcc ttga                                     615

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<210> 297

<211> 1831

<212> DNA

<213> Homo sapiens

<400> 297

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gccgcgccgc ccgcacgtgg cagccccagg ccccgcccc ccacccacgt ctgcgttgct 60
gccccgcctg ggccaggccc aaaggcaagg acaagcagc tgtcagggaa cctccgcgg 120
agtgaattt acgtgcagct gccggcaacc acaggttcca agatggtttg cgggggcttc 180
gcgtgttcca agaactgcct gtgcgcctc aacctgcttt acaccttggg tagtctgctg 240
ctaattggaa ttgctgcgtg gggcattggc ttccggctga tttccagtct ccgagtggctc 300
ggcgtgggtc ttgcagtggg catcttcttg ttccgtattg ctttagtggg tctgattgga 360
gctgtaaaac atcatcaggt gttgctattt ttttatatga ttattctgtt acttgatttt 420
attgttcagt tttctgtatc ttgcgttggt ttagccctga accaggagca acagggtcag 480
cttctggagg ttggttggaa caatacggca agtgctcgaa atgacatcca gagaaatcta 540
aactgctgtg ggttccgaag tgttaacca aatgacacct gtctggctag ctgtgttaaa 600
agtgaccact cgtgctcgcc atgtgctcca atcataggag aatatgctgg agagggtttg 660
agatttgttg gtggcattgg cctgttcttc agttttacag agatcctggg tgtttggctg 720
acctacagat acaggaaacca gaaagacccc cgcgcgaatc ctagtgcatt cctttgatga 780
gaaaacaagg aagatttcct ttcgattat gatcttggtc actttctgta attttctggt 840
aagctccatt tgccagttta aggaaggaaa cactatctgg aaaagtacct tattgatagt 900
ggaattatat atttttactc tatgtttctc tacatgtttt tttctttccg ttgctgaaaa 960
atatttgaaa cttgtggtct ctgaagctcg gtggcacctg gaatttactg tattcattgt 1020
cgggcactgt ccaactgtggc ctttcttagc atttttacct gcagaaaaac tttgtatggg 1080
accactgtgt tggttatatg gtgaatctga acgtacatct cactggtata attatatgta 1140
gcactgtgct gtgtagatag ttctactgg aaaaagagtg gaaatttatt aaaatcagaa 1200
agtatgagat cctgttatgt taagggaat ccaaattccc aattttttt ggtcttttta 1260
ggaaagatgt gttgtggtaa aaagtgttag tataaaaatg gataatttac ttgtgtcttt 1320
tatgattaca ccaatgtatt ctagaaatag ttatgtctta ggaaattgtg gtttaatttt 1380
tgacttttac aggtaagtgc aaaggagaag tggtttcatg aaatgttcta atgtataata 1440
acatttacct tcagcctcca tcagaatgga acgagttttg agtaatcagg aagtatatct 1500
atatgatctt gatattgttt tataataatt tgaagtctaa aagactgcat ttttaacaaa 1560
gttagtatta atgcgttggc ccacgtagca aaaagatatt tgattatctt aaaaattggt 1620
aaataccgtt ttcatgaaag ttctcagtat tgtaacagca acttgtcaaa cctaagcata 1680
tttgaatatg atctcccata atttgaaatt gaaatcgtat tgtgtggctc tgtatattct 1740
gttaaaaaat taaaggacag aaacctttct ttgtgtatgc atgtttgaat taaaagaaag 1800
taatggaaga attgatcgat gaaaaaaaaa a                                     1831

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<210> 298

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 298

cactgcgcctt gtttagccct gaacc

25

<210> 299

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 299

ccgaagaatt catcaaaatc tcaaaacctc tcc

33

<210> 300

<211> 258

<212> DNA

<213> Homo sapiens

<400> 300

atgcagcatc accaccatca ccaccactgc gcttgtttag ccctgaacca ggagcaacag 60
 ggtcagcttc tggaggttgg ttggaacaat acggcaagtg ctcgaaatga catccagaga 120
 aatctaaact gctgtgggtt ccgaagtgtt aacccaaatg acacctgtct ggctagctgt 180
 gttaaaagtg accactcgtg ctcgccatgt gctccaatca taggagaata tgctggagag 240
 gttttgagat tttgatga 258

<210> 301

<211> 84

<212> PRT

<213> Homo sapiens

<400> 301

Met	Gln	His	His	His	His	His	His	His	Cys	Ala	Cys	Leu	Ala	Leu	Asn
1				5					10					15	
Gln	Glu	Gln	Gln	Gly	Gln	Leu	Leu	Glu	Val	Gly	Trp	Asn	Asn	Thr	Ala
		20						25					30		
Ser	Ala	Arg	Asn	Asp	Ile	Gln	Arg	Asn	Leu	Asn	Cys	Cys	Gly	Phe	Arg
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Ser	Val	Asn	Pro	Asn	Asp	Thr	Cys	Leu	Ala	Ser	Cys	Val	Lys	Ser	Asp
	50					55					60				
His	Ser	Cys	Ser	Pro	Cys	Ala	Pro	Ile	Ile	Gly	Glu	Tyr	Ala	Gly	Glu
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Val	Leu	Arg	Phe												

<210> 302

<211> 1598

<212> DNA

<213> Homo sapiens

<400> 302

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<211> 963

<212> DNA

<213> Homo sapiens

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<210> 304
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<400> 304

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 <211> 320
 <212> PRT
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<400> 306
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 35 40 45
 Asp Leu Val Phe Lys Phe Ser Ser Gln Gly Gln Ile Phe Ser Lys Phe
 50 55 60
 Asn Gln Glu Leu His Gln Phe Thr Glu Lys Val Ile Gln Asp Arg Lys
 65 70 75 80
 Glu Ser Leu Lys Asp Lys Leu Lys Gln Asp Thr Thr Gln Lys Arg Arg
 85 90 95
 Trp Asp Phe Leu Asp Ile Leu Leu Ser Ala Lys Ser Glu Asn Thr Lys
 100 105 110
 Asp Phe Ser Glu Ala Asp Leu Gln Ala Glu Val Lys Thr Phe Met Phe
 115 120 125
 Ala Gly His Asp Thr Thr Ser Ser Ala Ile Ser Trp Ile Leu Tyr Cys
 130 135 140

Leu Ala Lys Tyr Pro Glu His Gln Gln Arg Cys Arg Asp Glu Ile Arg
145 150 155 160

Glu Leu Leu Gly Asp Gly Ser Ser Ile Thr Trp Glu His Leu Ser Gln
165 170 175

Met Pro Tyr Thr Thr Met Cys Ile Lys Glu Cys Leu Arg Leu Tyr Ala
180 185 190

Pro Val Val Asn Ile Ser Arg Leu Leu Asp Lys Pro Ile Thr Phe Pro
195 200 205

Asp Gly Arg Ser Leu Pro Ala Gly Ile Thr Val Phe Ile Asn Ile Trp
210 215 220

Ala Leu His His Asn Pro Tyr Phe Trp Glu Asp Pro Gln Val Phe Asn
225 230 235 240

Pro Leu Arg Phe Ser Arg Glu Asn Ser Glu Lys Ile His Pro Tyr Ala
245 250 255

Phe Ile Pro Phe Ser Ala Gly Leu Arg Asn Cys Ile Gly Gln His Phe
260 265 270

Ala Ile Ile Glu Cys Lys Val Ala Val Ala Leu Thr Leu Leu Arg Phe
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Lys Leu Ala Pro Asp His Ser Arg Pro Pro Gln Pro Val Arg Gln Val
290 295 300

Val Leu Lys Ser Lys Asn Gly Ile His Val Phe Ala Lys Lys Val Cys
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<210> 307

<211> 505

<212> PRT

<213> Homo sapiens

<400> 307

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20 25 30

Tyr Gln Arg Arg Arg Trp Met Ile Arg Ala Leu His Leu Phe Pro Ala
35 40 45

Pro Pro Ala His Trp Phe Tyr Gly His Lys Glu Phe Tyr Pro Val Lys
50 55 60

Glu Phe Glu Val Tyr His Lys Leu Met Glu Lys Tyr Pro Cys Ala Val
65 70 75 80

Pro	Leu	Trp	Val	Gly	Pro	Phe	Thr	Met	Phe	Ser	Val	His	Asp	Pro		
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Asp	Tyr	Ala	Lys	Ile	Leu	Leu	Lys	Arg	Gln	Asp	Pro	Lys	Ser	Ala	Val	
				100					105					110		
Ser	His	Lys	Ile	Leu	Glu	Ser	Trp	Val	Gly	Arg	Gly	Leu	Val	Thr	Leu	
				115					120					125		
Asp	Gly	Ser	Lys	Trp	Lys	Lys	His	Arg	Gln	Ile	Val	Lys	Pro	Gly	Phe	
				130					135					140		
Asn	Ile	Ser	Ile	Leu	Lys	Ile	Phe	Ile	Thr	Met	Met	Ser	Glu	Ser	Val	
				145					150					155		
Arg	Met	Met	Leu	Asn	Lys	Trp	Glu	Glu	Arg	Ile	Ala	Gln	Asn	Ser	Arg	
				165					170					175		
Leu	Glu	Leu	Phe	Gln	His	Val	Ser	Leu	Met	Thr	Leu	Asp	Ser	Ile	Met	
				180					185					190		
Lys	Cys	Ala	Phe	Ser	His	Gln	Gly	Ser	Ile	Gln	Leu	Asp	Ser	Thr	Leu	
				195					200					205		
Asp	Ser	Tyr	Leu	Lys	Ala	Val	Phe	Asn	Leu	Ser	Lys	Ile	Ser	Asn	Gln	
				210					215					220		
Arg	Met	Asn	Asn	Phe	Leu	His	His	Asn	Asp	Leu	Val	Phe	Lys	Phe	Ser	
				225					230					235		
Ser	Gln	Gly	Gln	Ile	Phe	Ser	Lys	Phe	Asn	Gln	Glu	Leu	His	Gln	Phe	
				245					250					255		
Thr	Glu	Lys	Val	Ile	Gln	Asp	Arg	Lys	Glu	Ser	Leu	Lys	Asp	Lys	Leu	
				260					265					270		
Lys	Gln	Asp	Thr	Thr	Gln	Lys	Arg	Arg	Trp	Asp	Phe	Leu	Asp	Ile	Leu	
				275					280					285		
Leu	Ser	Ala	Lys	Ser	Glu	Asn	Thr	Lys	Asp	Phe	Ser	Glu	Ala	Asp	Leu	
				290					295					300		
Gln	Ala	Glu	Val	Lys	Thr	Phe	Met	Phe	Ala	Gly	His	Asp	Thr	Thr	Ser	
				305					310					315		
Ser	Ala	Ile	Ser	Trp	Ile	Leu	Tyr	Cys	Leu	Ala	Lys	Tyr	Pro	Glu	His	
				325					330					335		
Gln	Gln	Arg	Cys	Arg	Asp	Glu	Ile	Arg	Glu	Leu	Leu	Gly	Asp	Gly	Ser	
				340					345					350		
Ser	Ile	Thr	Trp	Glu	His	Leu	Ser	Gln	Met	Pro	Tyr	Thr	Thr	Met	Cys	
				355					360					365		

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Gly	Ile	Thr	Val	Phe	Ile	Asn	Ile	Trp	Ala	Leu	His	His	Asn	Pro	Tyr
			405						410			415			
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			420						425			430			
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			435						440			445			
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Ala	Val	Ala	Leu	Thr	Leu	Leu	Arg	Phe	Lys	Leu	Ala	Pro	Asp	His	Ser
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			485						490			495			
Ile	His	Val	Phe	Ala	Lys	Lys	Val	Cys							
			500						505						